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OM protein - protein search, using sw model

Run on: November 17, 2004, 22:52:36 ; Search time 40 Seconds
(without alignments)
550.439 Million cell updates/sec

Title: US-09-884-211b-4

Perfect score: 1726
Sequence: 1 MNSTLQHGMHTSLHFMNRST.....FKELICCPYGLCDLSRY 332

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued Patents AA: *
2: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/6CTUS_COMB.pep: *
7: /cgn2_6/ptodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1638.5	94.9	332	1 US-08-671-525B-8	Sequence 8, Appli
2	1638.5	94.9	332	1 US-08-672-109B-8	Sequence 8, Appli
3	1638.5	94.9	332	2 US-08-842-045-8	Sequence 8, Appli
4	1638.5	94.9	332	2 US-08-842-238-8	Sequence 8, Appli
5	1638.5	94.9	332	2 US-08-780-749A-2	Sequence 2, Appli
6	1638.5	94.9	332	3 US-08-628-335B-8	Sequence 8, Appli
7	1638.5	94.9	332	3 US-08-870-511-2	Sequence 2, Appli
8	1638.5	94.9	332	4 US-09-384-302A-9	Sequence 9, Appli
9	1632.5	94.6	332	2 US-08-662-560-2	Sequence 2, Appli
10	1632.5	94.6	332	2 US-08-780-749A-6	Sequence 6, Appli
11	1632.5	94.6	332	3 US-08-870-511-6	Sequence 6, Appli
12	1632.5	94.6	332	3 US-08-870-511-8	Sequence 8, Appli
13	1626.5	94.2	332	3 US-08-870-511-10	Sequence 10, Appli
14	1626.5	94.2	332	3 US-08-870-511-12	Sequence 12, Appli
15	1624.5	94.1	332	4 US-09-831-206-2	Sequence 2, Appli
16	1615.5	93.6	332	4 US-09-384-302A-6	Sequence 6, Appli
17	1592.5	92.3	332	3 US-08-706-281A-16	Sequence 16, Appli
18	1592.5	92.3	332	3 US-09-097-231-16	Sequence 16, Appli
19	1592.5	92.3	332	4 US-09-353-099-16	Sequence 16, Appli
20	1405	81.4	293	4 US-09-384-302A-8	Sequence 8, Appli
21	1026.5	59.5	325	3 US-08-706-281A-18	Sequence 18, Appli
22	1026.5	59.5	325	3 US-09-097-231-18	Sequence 18, Appli
23	1026.5	59.5	325	4 US-09-353-099-18	Sequence 18, Appli
24	1023.5	59.3	325	4 US-09-831-228-2	Sequence 2, Appli
25	1023.5	59.3	325	1 US-08-671-525B-10	Sequence 10, Appli
26	1023.5	59.3	325	1 US-08-672-109B-10	Sequence 10, Appli
27	1023.5	59.3	325	2 US-08-842-045-10	Sequence 10, Appli

28	1023.5	59.3	325	2 US-08-842-238-10	Sequence 10, Appli
29	1023.5	59.3	325	3 US-08-629-335B-10	Sequence 10, Appli
30	1003.5	58.1	325	4 US-08-387-805-16	Sequence 16, Appli
31	994	57.6	323	4 US-09-709-066-2	Sequence 2, Appli
32	981.5	56.9	360	1 US-08-671-525B-6	Sequence 6, Appli
33	981.5	56.9	360	1 US-08-672-109B-6	Sequence 6, Appli
34	981.5	56.9	360	2 US-08-842-045-6	Sequence 6, Appli
35	981.5	56.9	360	2 US-08-842-238-6	Sequence 6, Appli
36	981.5	56.9	360	2 US-08-780-749A-1	Sequence 1, Appli
37	981.5	56.9	360	2 US-08-629-335B-6	Sequence 6, Appli
38	981.5	56.9	360	3 US-08-870-511-1	Sequence 1, Appli
39	981.5	56.9	360	4 US-09-709-066-4	Sequence 4, Appli
40	965	55.9	323	2 US-08-044-812A-4	Sequence 4, Appli
41	965	55.9	323	2 US-08-475-637-4	Sequence 4, Appli
42	965	55.9	323	3 US-09-191-359-4	Sequence 4, Appli
43	961	55.7	323	3 US-08-706-281A-12	Sequence 12, Appli
44	961	55.7	323	3 US-09-097-231-12	Sequence 12, Appli
45	961	55.7	323	4 US-09-353-099-12	Sequence 12, Appli

ALIGNMENTS

RESULT 1
US-08-671-525B-8
; Sequence 8, Application US/08671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/671,525B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann P.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810) 641-1600
; TELEFAX: (810) 641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-671-525B-8
Query Match 94.9%; Score 1638.5; DB 1; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
Cy 1 MNSTLQHGMHTSLHFMNRSTYGOHGNATSGKGYPDGCYBOUFPVPEVTVIGVLSL 60
Db 2 VNSTLHGMHTSLHFMNRSSRYLHNSASISGKGYSDGCYBOUFPVPEVTVIGVLSL 60
Oy 61 ENILVIAIAKNNKHLSPMYFFICSLAVADMLVSVSGSEFTIVITLLNSTDTDAQSTVN 120

Db 61 ENILVIAIAKNNKLSHPYFFICSLAVADMVSVNSGSEITITLLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFTIYSDSTAVIICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240
Db 181 GILFTIYSDSAVITICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240
QY 241 MKGATITLILGVVCAWAPFELHIFYISCPONPCVCFMSHFNLVLLIMCNSIIDPL 300
Db 241 MKGATITLILGVVCAWAPFELHIFYISCPONPCVCFMSHFNLVLLIMCNSIIDPL 300
QY 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332
Db 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332

RESULT 2

US-08-672-109B-8
; Sequence 8, Application US/08672109B
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672,109B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Dean F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-672-109B-8

Query Match 94.9%; Score 1638.5; DB 1; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQHGHTSLHFNRRSTYGOHGNATSLGKGYPDGCGYEQLFVSPVFTLVGISL 60
Db 2 VNST-HRGMHTSLHFNRRSYRLHSNASESLGKGYSGGCEQLFVSPVFTLVGISL 60
QY 61 ENILVIAIAKNNKLSHPYFFICSLAVADMVSVNSGSEITITLLNSTDTDAQSFVN 120
Db 61 ENILVIAIAKNNKLSHPYFFICSLAVADMVSVNSGSEITITLLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180

Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFTIYSDSTAVIICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240
Db 181 GILFTIYSDSAVITICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240
QY 241 MKGATITLILGVVCAWAPFELHIFYISCPONPCVCFMSHFNLVLLIMCNSIIDPL 300
Db 241 MKGATITLILGVVCAWAPFELHIFYISCPONPCVCFMSHFNLVLLIMCNSIIDPL 300
QY 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332
Db 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332

RESULT 3

US-08-842-045-8
; Sequence 8, Application US/08842045
; Patent No. 5817787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,045
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Dean F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-045-8

Query Match 94.9%; Score 1638.5; DB 2; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQHGHTSLHFNRRSTYGOHGNATSLGKGYPDGCGYEQLFVSPVFTLVGISL 60
Db 2 VNST-HRGMHTSLHFNRRSYRLHSNASESLGKGYSGGCEQLFVSPVFTLVGISL 60
QY 61 ENILVIAIAKNNKLSHPYFFICSLAVADMVSVNSGSEITITLLNSTDTDAQSFVN 120
Db 61 ENILVIAIAKNNKLSHPYFFICSLAVADMVSVNSGSEITITLLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFTIYSDSTAVIICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240
Db 181 GILFTIYSDSAVITICITIMEFTMALMASLYVHMFMAHLIKRIAVLPGTGIRGAN 240

Db 241 MKGATITLILIGVVCVMAPEFLHLIFYSQPONFVCVCMFHNULILIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

RESULT 6
US-08-629-335B-8
Sequence 8, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 94.9%; Score 1638.5; DB 3; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSLTQGMHTSLHFMNRSTYGGHGNATSLGKGYDGGCYEQLFVSPVFTLGVISLL 60
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSNAESLGGKGYDGGCYEQLFVSPVFTLGVISLL 60
QY 61 ENILVVAIAKXNKLHSPMVFPCISLAVADMVSVNGSEITVITLNSDTPDAOSTVN 120
Db 61 ENILVVAIAKXNKLHSPMVFPCISLAVADMVSVNGSEITVITLNSDTPDAOSTVN 120
QY 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GIIFITVSDSTAVITICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
Db 181 GIIFITVSDSTAVITICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
QY 241 MKGATITLILIGVVCVMAPEFLHLIFYSQPONFVCVCMFHNULILIMCNSIIDPL 300
Db 241 MKGATITLILIGVVCVMAPEFLHLIFYSQPONFVCVCMFHNULILIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

RESULT 7
US-08-870-511-2
Sequence 2, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 94.9%; Score 1638.5; DB 3; Length 332;

Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSLTQGMHTSLHFMNRSTYGGHGNATSLGKGYDGGCYEQLFVSPVFTLGVISLL 60
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSNAESLGGKGYDGGCYEQLFVSPVFTLGVISLL 60
QY 61 ENILVVAIAKXNKLHSPMVFPCISLAVADMVSVNGSEITVITLNSDTPDAOSTVN 120
Db 61 ENILVVAIAKXNKLHSPMVFPCISLAVADMVSVNGSEITVITLNSDTPDAOSTVN 120
QY 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GIIFITVSDSTAVITICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
Db 181 GIIFITVSDSTAVITICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
QY 241 MKGATITLILIGVVCVMAPEFLHLIFYSQPONFVCVCMFHNULILIMCNSIIDPL 300
Db 241 MKGATITLILIGVVCVMAPEFLHLIFYSQPONFVCVCMFHNULILIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
RESULT 8
US-09-384-302A-9
Sequence 9, Application US/09384302A
Patent No. 6451543
GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L.
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botli, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: grfn-028/02KO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30

SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 332
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 94.9%; Score 1638.5; DB 4; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFNRRSTYGGHGNATBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
DB 2 VNST-HRGMTSLHLMNRRSYRLHNSNBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
QY 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
DB 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
QY 121 IDNVDSVICSSLASICSLISIAVDRYFTIFALQYHNIMTVRGGIISCIWAACVTS 180
DB 121 IDNVDSVICSSLASICSLISIAVDRYFTIFALQYHNIMTVRGGIISCIWAACVTS 180
QY 181 GILFIYSDSSTAVIICITMFTMLAMASLYMHFMARLHKRIAVLPQTGTIRGAN 240
DB 181 GILFIYSDSSTAVIICITMFTMLAMASLYMHFMARLHKRIAVLPQTGTIRGAN 240
QY 241 MKGAILTITLIGFVVCMAFPFLHLFIYISCPONPYCVCEMSHNLYLILMCSIIDPL 300
DB 241 MKGAILTITLIGFVVCMAFPFLHLFIYISCPONPYCVCEMSHNLYLILMCSIIDPL 300
QY 301 IYALRSGELKRTFKEIICYPPLGGLCDLSRY 332
DB 301 IYALRSGELKRTFKEIICYPPLGGLCDLSRY 332

RESULT 9

US-08-662-560-2

Sequence 2, Application US/08662560
Patent No. 5908609
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/662,560
FILING DATE: 10-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-060
TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-662-560-2

Query Match 94.6%; Score 1632.5; DB 2; Length 332;
Best Local Similarity 95.2%; Pred. No. 4.6e-125;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFNRRSTYGGHGNATBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
DB 2 VNST-HRGMTSLHLMNRRSYRLHNSNBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
QY 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
DB 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
QY 121 IDNVDSVICSSLASICSLISIAVDRYFTIFALQYHNIMTVRGGIISCIWAACVTS 180
DB 121 IDNVDSVICSSLASICSLISIAVDRYFTIFALQYHNIMTVRGGIISCIWAACVTS 180
QY 181 GILFIYSDSSTAVIICITMFTMLAMASLYMHFMARLHKRIAVLPQTGTIRGAN 240
DB 181 GILFIYSDSSTAVIICITMFTMLAMASLYMHFMARLHKRIAVLPQTGTIRGAN 240
QY 241 MKGAILTITLIGFVVCMAFPFLHLFIYISCPONPYCVCEMSHNLYLILMCSIIDPL 300
DB 241 MKGAILTITLIGFVVCMAFPFLHLFIYISCPONPYCVCEMSHNLYLILMCSIIDPL 300
QY 301 IYALRSGELKRTFKEIICYPPLGGLCDLSRY 332
DB 301 IYALRSGELKRTFKEIICYPPLGGLCDLSRY 332

RESULT 10

US-08-780-749A-6

Sequence 6, Application US/08780749A
Patent No. 5932779
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/780,749A
FILING DATE: 08-JAN-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Laura A. Coruzzi
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-064


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; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match          94.2%; Score 1626.5; DB 3; Length 332;
Best Local Similarity 94.9%; Pred. No. 1.4e-124;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

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DB 181 GILFIYSDSTAVIICITIMFFMLAMASLYVHMFMAHRIKRIAVLPGTGAIROGAN 240

QY 241 MKGALITLILIGVVCWMAFPFLHLIFYISCPONPYCVCFMSHFNLYLIMCNSIIDPL 300
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QY 301 IVALRSGELRKTPEKIIICYPPLGGLCDLSRY 332
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RESULT 14
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match          94.2%; Score 1626.5; DB 3; Length 332;
Best Local Similarity 94.9%; Pred. No. 1.4e-124;
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RESULT 15
US-09-831-206-2
; Sequence 2, Application US/09831206
; Patent No. 6573070
; GENERAL INFORMATION:
; APPLICANT: MacNeill, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; FILE REFERENCE: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
; CURRENT APPLICATION NUMBER: US/09/831,206
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

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Best Local Similarity 94.6%; Pred. No. 2.1e-124;
Matches 314; Conservative 7; Mismatches 10; Indels 1; Gaps 1;

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DB 121 IDNVDSVICSSLLASICSLISAVDRYFTTFYALQYHNIMTVRRVGIISCIWAQTVS 180

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QY 301 IVALRSGELRKTPEKIIICYPPLGGLCDLSRY 332
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Db 301 IYALRSQELRKTFKKEIICCPYPLGGLCDLSSRY 332

Search completed: November 17, 2004, 23:04:40
Job time : 41 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: November 17, 2004, 23:01:42 ; Search time 144 Seconds

(without alignments)
816.461 Million cell updates/sec

Title: US-09-884-211b-4

Perfect score: 1726
Sequence: 1 MNSTLQGHMTSLHFMNRST.....FKELICCPYGLCDLSRRY 332

Scoring table: BIOSIM62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/2/pubppaa/PCR_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1685	97.6	332	10	US-09-884-211A-3 Sequence 3, Appl1
3	1638.5	94.9	332	14	US-10-207-330-9 Sequence 9, Appl1
4	1638.5	94.9	332	14	US-10-225-567A-158 Sequence 158, App
5	1638.5	94.9	332	14	US-10-318-661-27 Sequence 27, Appl1
6	1638.5	94.6	332	10	US-09-876-252-74 Sequence 74, Appl1
7	1632.5	94.6	332	14	US-10-226-594-4 Sequence 4, Appl1
8	1632.5	94.6	332	14	US-10-413-752-2 Sequence 2, Appl1
9	1632.5	94.6	332	14	US-10-417-820A-74 Sequence 74, Appl1
10	1632.5	94.6	332	16	US-10-723-955-74 Sequence 136, App
11	1627.5	94.3	332	10	US-09-876-252-136 Sequence 136, App
12	1627.5	94.3	332	14	US-10-417-820A-136 Sequence 136, App
13	1627.5	94.3	332	16	US-10-723-955-136 Sequence 136, App

14	1624.5	94.1	332	14	US-10-373-355-2 Sequence 2, Appl1
15	1620.5	93.9	332	14	US-10-413-752-6 Sequence 6, Appl1
16	1615.5	93.6	332	14	US-10-207-330-6 Sequence 6, Appl1
17	1592.5	92.3	332	14	US-10-288-160-16 Sequence 16, Appl1
18	1592.5	92.3	332	14	US-10-074-754-2 Sequence 2, Appl1
19	1590	92.1	332	10	US-09-910-180-2 Sequence 2, Appl1
20	1405	81.4	233	14	US-10-207-330-8 Sequence 8, Appl1
21	1043.5	60.5	335	14	US-10-256-089-2 Sequence 2, Appl1
22	1026.5	59.5	335	14	US-10-288-160-18 Sequence 18, Appl1
23	1025.5	59.4	335	14	US-10-225-567A-160 Sequence 160, App
24	1025.5	59.4	335	14	US-10-369-022-40 Sequence 40, App
25	1003.5	58.1	325	13	US-10-052-545-16 Sequence 16, Appl1
26	994	57.6	323	9	US-09-903-395-2 Sequence 2, Appl1
27	984.5	57.0	360	14	US-10-226-594-3 Sequence 3, Appl1
28	981.5	56.9	360	14	US-10-225-567A-156 Sequence 156, App
29	981.5	56.9	360	14	US-10-413-752-1 Sequence 1, Appl1
30	976.5	56.6	333	10	US-09-826-509-523 Sequence 523, App
31	961	55.7	323	14	US-10-288-160-12 Sequence 12, Appl1
32	758.5	43.9	317	14	US-10-226-594-1 Sequence 1, Appl1
33	754.5	43.7	317	14	US-10-225-567A-162 Sequence 162, App
34	754.5	43.7	317	14	US-10-353-690-60 Sequence 60, Appl1
35	754.5	43.7	317	14	US-10-164-717-6 Sequence 6, Appl1
36	754.5	43.7	317	16	US-10-322-281-166 Sequence 166, App
37	754.5	43.7	382	14	US-10-164-717-7 Sequence 7, Appl1
38	754.5	43.7	382	14	US-10-164-717-4 Sequence 4, Appl1
39	754.5	43.6	398	14	US-10-164-717-5 Sequence 5, Appl1
40	752.5	43.6	315	14	US-10-288-160-4 Sequence 4, Appl1
41	752.5	43.6	317	13	US-10-052-545-2 Sequence 2, Appl1
42	751.5	43.5	317	14	US-10-413-752-4 Sequence 4, Appl1
43	751.5	43.5	317	14	US-10-296-734-822 Sequence 822, App
44	749.5	43.4	317	16	US-10-322-281-163 Sequence 163, App
45	749.5	43.4	398	14	US-10-164-717-2 Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-09-884-211A-4
Sequence 4, Application US/09884211A
Publication No. US20030032791A1
GENERAL INFORMATION:
APPLICANT: Alan et, al.
TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
FILE REFERENCE: PC10743A
CURRENT APPLICATION NUMBER: US/09/884, 211A
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/213,509
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 4
LENGTH: 332
TYPE: PRT
ORGANISM: Canine MC4R protein Sequence
US-09-884-211A-4

Query Match 100.0%; Score 1726; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 1.1e-157;
Matches 332; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 121 IDNVDSVICSLLASICSLIADVDYFTTFPALQYHNTVYRVGIIISCWAQTVS 180
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Db      301 IVALRSQELRKTPEKIIICCPYLGICDLSRY 332

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RESULT 2

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US-09-884-211a-3
; Sequence 3, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et. al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
; FILE REFERENCE: PCT0743A
; CURRENT APPLICATION NUMBER: US/09/884,211A
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213,909
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Feline MC4R protein Sequence
US-09-884-211a-3

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Query Match      97.6%; Score 1685; DB 10; Length 332;
Best Local Similarity 97.6%; Pred. No. 9,4e-154;
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RESULT 3

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US-10-207-330-9
; Sequence 9, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L

```

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; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: gfrn-028/02WO
; CURRENT APPLICATION NUMBER: US/10/207,330
; PRIOR FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-207-330-9

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Query Match      94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2,8e-149;
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RESULT 4

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; Sequence 158, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Butner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 158
; LENGTH: 332
; TYPE: PRT

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ORGANISM: Homo sapiens
US-10-225-567A-158

Query Match 94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2.8e-149;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

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RESULT 5
US-10-318-661-27

Sequence 27, Application US/10318661
Publication No. US20030167476A1
GENERAL INFORMATION:
APPLICANT: Conklin, Bruce R.
TITLE OF INVENTION: Selective Target Cell Activation By
TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
FILE REFERENCE: UCAL-049CIP2
CURRENT FILING DATE: US/10/318, 661
PRIOR FILING DATE: 2003-05-05
PRIOR APPLICATION NUMBER: US 09/341,446
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US97/05334
PRIOR FILING DATE: 1997-03-25
PRIOR APPLICATION NUMBER: US 08/622,348
PRIOR FILING DATE: 1996-03-26
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Faceseq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-318-661-27

Query Match 94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2.8e-149;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 181 GILFIYSDSTAVIICLITMFTMLAMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
DB 181 GILFIYSDSSAVITICLITMFTMLAMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
QY 241 MKGAILTITLIGVVCWAPFFHLFIYISCPQNPYCVCMSHRNLYLILMCSIIDPL 300
DB 241 MKGAILTITLIGVVCWAPFFHLFIYISCPQNPYCVCMSHRNLYLILMCSIIDPL 300
QY 301 IYALRSQELKRTFKRITICCPPLGGLCDLSRY 332
DB 301 IYALRSQELKRTFKRITICCPPLGGLCDLSRY 332

RESULT 6
US-09-876-252-74

Sequence 74, Application US/09876252
Publication No. US2003018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulsma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Law, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Recept
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 1999-10-12
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,127
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29

PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,634
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.0
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-252-74

Query Match 94.6%; Score 1632.5; DB 10; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
DB 2 VNST-HRGMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
QY 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
DB 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
QY 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMLARHRIKRIAVLPETGAIROGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMLARHRIKRIAVLPETGAIROGAN 240
QY 241 MKGATITLILIGVFWCMAPFFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVFWCMAPFFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCYPLGGLCDLSRY 332
DB 301 IYALRSQELRKTKEIICCYPLGGLCDLSRY 332

RESULT 7
US-10-226-594-4
Sequence 4, Application US/10226594
Publication No. US20030017966A1
GENERAL INFORMATION:
APPLICANT: Duman, Ronald
TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
FILE REFERENCE: 07334-101001
CURRENT APPLICATION NUMBER: US/10/226,594
CURRENT FILING DATE: 2002-08-23
PRIOR APPLICATION NUMBER: US/09/385,763
PRIOR FILING DATE: 1999-08-30
PRIOR APPLICATION NUMBER: US 60/099,104
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4

LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-226-594-4

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
DB 2 VNST-HRGMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
QY 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
DB 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
QY 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMLARHRIKRIAVLPETGAIROGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMLARHRIKRIAVLPETGAIROGAN 240
QY 241 MKGATITLILIGVFWCMAPFFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVFWCMAPFFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCYPLGGLCDLSRY 332
DB 301 IYALRSQELRKTKEIICCYPLGGLCDLSRY 332

RESULT 8
US-10-413-752-2
Sequence 2, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Frank Lee
APPLICANT: Dennis Huszar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-413-752-2

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
DB 2 VNST-HRGMTSLHFNRSYGOHGNATSLGKGYDGGCYEOLFSPEVFTLVGISLL 60
QY 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
DB 61 ENILVIAIAKNNKLSHPMFFICSLAVADMLVSNGSEITVITLNSDTDAQSFTVN 120
QY 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLLASICSLIAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180

Db 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWAACTVS 180
Qy 181 GILFIYSDSTAVIICITIMFTMLAMSLVYHMFIMARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSAYIICITIMFTMLAMSLVYHMFIMARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
Db 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
Qy 301 IYALRSGELAKTKEKIIICYPILGGLCDLSRY 332
Db 301 IYALRSGELAKTKEKIIICYPILGGLCDLSRY 332

RESULT 9

US-10-417-820A-74
Sequence 74, Application US/10417820A
Publication No. US20030229216A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7 US28 CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-74

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1,1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

Qy 1 MNSTLQGMGTSLSHFNRSTYGOHGNATSEIGKGYPPGCGCEOLFVSPEVFTLGVISL 60
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNBSGLGKGYSDGCEOLFVSPEVFTLGVISL 60
Qy 61 ENLIVIVAIAKRNKLSHPMYFFICSLAVADMLVSVNSGSEITIVITLNSITDIDAQSFTVN 120
Db 61 ENLIVIVAIAKRNKLSHPMYFFICSLAVADMLVSVNSGSEITIVITLNSITDIDAQSFTVN 120
Qy 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWAACTVS 180
Db 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWAACTVS 180

Db 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWAACTVS 180
Qy 181 GILFIYSDSTAVIICITIMFTMLAMSLVYHMFIMARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSAYIICITIMFTMLAMSLVYHMFIMARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
Db 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
Qy 301 IYALRSGELAKTKEKIIICYPILGGLCDLSRY 332
Db 301 IYALRSGELAKTKEKIIICYPILGGLCDLSRY 332

RESULT 10

US-10-723-955-74
Sequence 74, Application US/10723955
Publication No. US20040110238A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Lin, I-Lin
APPLICANT: Liaw, Chen W.
APPLICANT: Lehman-Brulnsma, Karin
APPLICANT: Lowitz, Kevin P.
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Gore, Martin
APPLICANT: White, Carol
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7 US29 CON
CURRENT APPLICATION NUMBER: US/10/723,955
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: 10/417,820
PRIOR FILING DATE: 2003-4-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 148
SOFTWARE: PatentIn version 3.2
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-723-955-74

Query Match 94.6%; Score 1632.5; DB 16; Length 332;
Best Local Similarity 95.2%; Pred. No. 1,1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

Qy 1 MNSTLQGMGTSLSHFNRSTYGOHGNATSEIGKGYPPGCGCEOLFVSPEVFTLGVISL 60
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNBSGLGKGYSDGCEOLFVSPEVFTLGVISL 60
Qy 61 ENLIVIVAIAKRNKLSHPMYFFICSLAVADMLVSVNSGSEITIVITLNSITDIDAQSFTVN 120
Db 61 ENLIVIVAIAKRNKLSHPMYFFICSLAVADMLVSVNSGSEITIVITLNSITDIDAQSFTVN 120

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Db      61  ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNSTDTDAOSFTVN 120
Qy      121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGGIISCIWAACVTS 180
Db      121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGGIISCIWAACVTS 180
Qy      181 GILFIYSDSTAVITICLITMFTMLMASLYVHMFMLARLHKRIAVLPGTGTIRGOAN 240
Db      181 GILFIYSDSSAVITICLITMFTMLMASLYVHMFMLARLHKRIAVLPGTGTIRGOAN 240
Qy      241 MKGAILTLLIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSEHFNLYLLIMCNSIIDPL 300
Db      241 MKGAILTLLIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSEHFNLYLLIMCNSIIDPL 300
Qy      301 IYALRSQELRKTFKEITICCYPLGGLCDLSSRY 332
Db      301 IYALRSQELRKTFKEITICCYPLGGLCDLSSRY 332

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RESULT 11
US-09-876-252-136
; Sequence 136, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brinsma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huang T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Indogenous Constitutively Activated Human G Protein Coupled Re
; FILE REFERENCE: ASEN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28

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; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-136

```

Query Match 94.3%; Score 1627.5; DB 10; Length 332;

Best Local Similarity 94.9%; Pred. No. 3.2e-148; Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

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Qy      1  MNSTLHGHTSLHFNRSITYGQGNATSLGKGYDGCYEQLFVSPFVTLGVISLL 60
Db      2  VNST-HRGWHTSLHFNRSITYGQGNATSLGKGYDGCYEQLFVSPFVTLGVISLL 60
Qy      61  ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNSTDTDAOSFTVN 120
Db      61  ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNSTDTDAOSFTVN 120
Qy      121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGGIISCIWAACVTS 180
Db      121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGGIISCIWAACVTS 180
Qy      181 GILFIYSDSTAVITICLITMFTMLMASLYVHMFMLARLHKRIAVLPGTGTIRGOAN 240
Db      181 GILFIYSDSSAVITICLITMFTMLMASLYVHMFMLARLHKRIAVLPGTGTIRGOAN 240
Qy      241 MKGAILTLLIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSEHFNLYLLIMCNSIIDPL 300
Db      241 MKGAILTLLIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSEHFNLYLLIMCNSIIDPL 300
Qy      301 IYALRSQELRKTFKEITICCYPLGGLCDLSSRY 332
Db      301 IYALRSQELRKTFKEITICCYPLGGLCDLSSRY 332

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RESULT 12
US-10-417-820A-136
; Sequence 136, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: Receptors

```

```
FILE REFERENCE: 7.US28.CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-136
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Query Match          94.3%; Score 1627.5; DB 14; Length 332;
Best Local Similarity 94.9%; Pred. No. 3.2e-148;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFNMRSTYGOHGNATESLGGKGYPDGCEYEQLFVSPBEVFTLGVISLL 60
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 2 VNST-HRGMHTSLHMRSSYRLSNASESLGGKGYSDGCEYEQLFVSPBEVFTLGVISLL 60
QY 61 ENILIVIAIAKNNKLSHPMYFFICSLAVADMLVSVNSGSEITVITLNSDTDTDAQSFTVN 120
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 ENILIVIAIAKNNKLSHPMYFFICSLAVADMLVSVNSGSEITVITLNSDTDTDAQSFTVN 120
QY 121 IDNVDSVICSLSLASICSLISIAVDRTFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 IDNVDSVICSLSLASICSLISIAVDRTFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYHMFMLARLHRIKRIAVLPCTGTIROGAN 240
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 GILFIYSDSAVVICITMFTMLAMASLYHMFMLARLHRIKRIAVLPCTGTIROGAN 240
QY 241 MKGAIITLILIGVAVVCMAPFFLHLIFYISCPQNPYCVCPMSHFNLYLILMCSIIDPL 300
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 241 MKGKITLITLIGVAVVCMAPFFLHLIFYISCPQNPYCVCPMSHFNLYLILMCSIIDPL 300
QY 301 IYALRSOELRKTPEKIIICYPPLGGLCDLSRY 332
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 301 IYALRSOELRKTPEKIIICYPPLGGLCDLSRY 332
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RESULT 13
US-10-723-955-136
Sequence 136, Application US/10723955
Publication No. US20040110238A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Lin, I-Lin
APPLICANT: Liaw, Chen W.
APPLICANT: Lehman-Brinema, Karin
APPLICANT: Lowitz, Kevin P.
APPLICANT: Dang, Huang T.
```

```
APPLICANT: Chen, Ruoping
APPLICANT: Gore, Martin
APPLICANT: White, Carol
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
RECEPTORS
FILE REFERENCE: 7.US29.CON
CURRENT APPLICATION NUMBER: US/10/723,955
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: 10/417,820
PRIOR FILING DATE: 2003-4-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 148
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-723-955-136
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Query Match          94.3%; Score 1627.5; DB 16; Length 332;
Best Local Similarity 94.9%; Pred. No. 3.2e-148;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFNMRSTYGOHGNATESLGGKGYPDGCEYEQLFVSPBEVFTLGVISLL 60
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 2 VNST-HRGMHTSLHMRSSYRLSNASESLGGKGYSDGCEYEQLFVSPBEVFTLGVISLL 60
QY 61 ENILIVIAIAKNNKLSHPMYFFICSLAVADMLVSVNSGSEITVITLNSDTDTDAQSFTVN 120
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 ENILIVIAIAKNNKLSHPMYFFICSLAVADMLVSVNSGSEITVITLNSDTDTDAQSFTVN 120
QY 121 IDNVDSVICSLSLASICSLISIAVDRTFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 IDNVDSVICSLSLASICSLISIAVDRTFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYHMFMLARLHRIKRIAVLPCTGTIROGAN 240
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 GILFIYSDSAVVICITMFTMLAMASLYHMFMLARLHRIKRIAVLPCTGTIROGAN 240
QY 241 MKGAIITLILIGVAVVCMAPFFLHLIFYISCPQNPYCVCPMSHFNLYLILMCSIIDPL 300
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 241 MKGKITLITLIGVAVVCMAPFFLHLIFYISCPQNPYCVCPMSHFNLYLILMCSIIDPL 300
QY 301 IYALRSOELRKTPEKIIICYPPLGGLCDLSRY 332
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 301 IYALRSOELRKTPEKIIICYPPLGGLCDLSRY 332
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RESULT 14
US-10-373-355-2
Sequence 2, Application US/10373355
Publication No. US20030166009A1
GENERAL INFORMATION:
APPLICANT: MacNeill, Douglas J.
APPLICANT: Weinberg, David H.
```

```
APPLICANT: Van der Ploeg, Leonardus H. T.
TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
FILE REFERENCE: 20190P
CURRENT APPLICATION NUMBER: US/10/373,355
CURRENT FILING DATE: 2003-02-25
PRIOR APPLICATION NUMBER: US/09/831,206
PRIOR FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: PCT/US99/25767
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: 60/107,721
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-2
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Query Match          94.1% Score 1624.5; DB 14; Length 332;
Best Local Similarity 94.6% Pred. No. 6.3e-148;
Matches 314; Conservative 7; Mismatches 10; Indels 1; Gaps 1;
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Db 2 VNST-HRGMTSLHFMNRSSTYGQGNATESLKGYPDGGCYEQLFVSPBEVFTLGVSIL 60
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QY 61 ENIIIVIAIAKNKRLHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSFVN 120
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Db 61 ENIIIVIAIAKNKRLHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSFVN 120
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 121 IDNVDSVICSLSLASICSLIAVDREYFTIFVALQYHNIMTVRRVGIISCIWAACVTS 180
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Db 121 IDNVDSVICSLSLASICSLIAVDREYFTIFVALQYHNIMTVRRVGIISCIWAACVTS 180
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QY 181 GILFIYSDSTAVIICITMFFTMLALMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 GILFIYSDSTAVIICITMFFTMLALMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
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QY 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLYLIMCNSIIDPL 300
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Db 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLYLIMCNSIIDPL 300
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 301 IYALRSQELRKTFRKRIICVPLGGLCDLSRY 332
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 301 IYALRSQELRKTFRKRIICVPLGGLCDLSRY 332
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
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RESULT 15
US-10-413-752-6
Sequence 6, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Frank Lee
APPLICANT: Dennis Huezar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
PRIOR APPLICATION NUMBER: 2003-04-14
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Rattus sp.
US-10-413-752-6
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Query Match          93.9% Score 1620.5; DB 14; Length 332;
Best Local Similarity 94.3% Pred. No. 1.5e-147;
Matches 313; Conservative 7; Mismatches 11; Indels 1; Gaps 1;
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Db 2 VNST-HRGMTSLHFMNRSSTYGQGNATESLKGYPDGGCYEQLFVSPBEVFTLGVSIL 60
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QY 61 ENIIIVIAIAKNKRLHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSFVN 120
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 ENIIIVIAIAKNKRLHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSFVN 120
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 121 IDNVDSVICSLSLASICSLIAVDREYFTIFVALQYHNIMTVRRVGIISCIWAACVTS 180
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 IDNVDSVICSLSLASICSLIAVDREYFTIFVALQYHNIMTVRRVGIISCIWAACVTS 180
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 181 GILFIYSDSTAVIICITMFFTMLALMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
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Db 181 GILFIYSDSTAVIICITMFFTMLALMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
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QY 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLYLIMCNSIIDPL 300
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLYLIMCNSIIDPL 300
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QY 301 IYALRSQELRKTFRKRIICVPLGGLCDLSRY 332
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 301 IYALRSQELRKTFRKRIICVPLGGLCDLSRY 332
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Search completed: November 17, 2004, 23:15:28
Job time : 146 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 17, 2004, 14:42:52 ; Search time 4.80769 Seconds
(without alignments)
68.971 Million cell updates/sec

Title: US-09-884-211B-4_COPY_187_191
Perfect score: 26
Sequence: 1 YSDST 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfill1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	261	4	US-09-270-767-60862
2	26	100.0	279	4	US-09-314-701-60
3	26	100.0	444	4	US-09-270-767-45361
4	26	100.0	745	2	US-08-887-518-3
5	26	100.0	745	2	US-09-023-321-3
6	26	100.0	745	2	US-08-890-853-4
7	26	100.0	745	2	US-09-032-475-3
8	26	100.0	745	2	US-09-099-125A-4
9	26	100.0	745	2	US-09-099-124A-4
10	26	100.0	745	3	US-09-032-476-4
11	26	100.0	745	3	US-08-890-854-4
12	26	100.0	745	3	US-09-023-324-4
13	26	100.0	745	3	US-09-168-629-2
14	26	100.0	745	3	US-08-910-820-10
15	26	100.0	745	3	US-08-810-131A-2
16	26	100.0	745	4	US-09-109-986-4
17	26	100.0	745	4	US-09-844-908-10
18	26	100.0	745	4	US-09-868-758-3
19	26	100.0	745	4	US-09-796-872-2
20	26	100.0	966	4	US-09-417-197-123
21	26	100.0	997	4	US-09-417-197-121
22	23	88.5	8	4	US-09-870-379A-16
23	23	88.5	34	1	US-08-700-749A-3
24	23	88.5	34	3	US-09-020-684-3
25	23	88.5	34	3	US-09-020-467-3
26	23	88.5	34	3	US-09-020-685-3
27	23	88.5	34	3	US-09-020-683-3

28	23	88.5	67	4	US-09-107-532A-5047	Sequence 5047, Ap
29	23	88.5	79	4	US-09-270-767-43530	Sequence 43530, A
30	23	88.5	80	4	US-09-663-600A-132	Sequence 132, App
31	23	88.5	80	4	US-09-663-600A-226	Sequence 226, App
32	23	88.5	128	4	US-09-248-796A-26611	Sequence 26611, A
33	23	88.5	128	4	US-09-198-452A-325	Sequence 325, App
34	23	88.5	139	4	US-09-107-532A-4324	Sequence 4324, Ap
35	23	88.5	144	4	US-09-248-796A-19951	Sequence 19951, A
36	23	88.5	151	4	US-09-107-532A-6111	Sequence 6111, Ap
37	23	88.5	160	4	US-09-270-767-45375	Sequence 45375, A
38	23	88.5	174	4	US-09-270-767-46937	Sequence 46937, A
39	23	88.5	194	4	US-09-489-039A-11064	Sequence 11064, A
40	23	88.5	217	4	US-09-270-767-43695	Sequence 43695, A
41	23	88.5	220	4	US-09-489-039A-11012	Sequence 11012, A
42	23	88.5	266	4	US-09-252-991A-18046	Sequence 18046, A
43	23	88.5	272	4	US-09-252-991A-29681	Sequence 29681, A
44	23	88.5	274	4	US-09-134-000C-3673	Sequence 3673, Ap
45	23	88.5	278	4	US-09-145-828A-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-09-270-767-60862
; Sequence 60862, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60862
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-60862

Query Match 100.0%; Score 26; DB 4; Length 261;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
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DB 168 YSDST 172

RESULT 2
US-09-314-701-60
; Sequence 60, Application US/09314701
; Patent No. 6544517
; GENERAL INFORMATION:
; APPLICANT: Rikihisa, Yasuko.
; APPLICANT: Chastl, No. 6544517io
; TITLE OF INVENTION: Outer Membrane Protein of Ehrlichia Canis and Ehrlichia
; TITLE OF INVENTION: Chaffensis
; FILE REFERENCE: 22727/04021
; CURRENT APPLICATION NUMBER: US/09/314,701
; CURRENT FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 279
; TYPE: PRT
; ORGANISM: p30-11
US-09-314-701-60
Query Match 100.0%; Score 26; DB 4; Length 279;

Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 106 YSDST 110

RESULT 3
US-09-270-767-45361

; Sequence 45361, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 45361

; LENGTH: 444

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

; FEATURE: OTHER INFORMATION: Xaa means any amino acid

US-09-270-767-45361

Query Match 100.0%; Score 26; DB 4; Length 444;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
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DB 351 YSDST 355

RESULT 4
US-08-887-518-3

; Sequence 3, Application US/0887518

; Patent No. 5843721

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS: ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/887,518

; FILING DATE: CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION: NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-887-518-3

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
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DB 580 YSDST 584

RESULT 5
US-09-023-321-3

; Sequence 3, Application US/09023321

; Patent No. 5844073

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS: ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/023,321

; FILING DATE: CLASSIFICATION: 435

; PRIOR APPLICATION DATA: APPLICATION NUMBER: US/08/887,518

; FILING DATE: ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide
US-09-023-321-3

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 580 YSDST 584

RESULT 6
US-08-890-853-4

; Sequence 4, Application US/08890853

; Patent No. 5851812

; GENERAL INFORMATION: APPLICANT: Goeddel, David V.

APPLICANT: Woronicz, John
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,853
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-006-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-890-853-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||||
Db 580 YSDST 584

RESULT 7
US-09-032-475-3
Sequence 3, Application US/09032475
Patent No. 5854003
GENERAL INFORMATION:
APPLICANT: Rothe, Mike
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/032,475
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,518
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-032-475-3

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||||
Db 580 YSDST 584

RESULT 8
US-09-099-125A-4
Sequence 4, Application US/09099125A
Patent No. 5916760
GENERAL INFORMATION:
APPLICANT: Goeddel, David V.
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/099,125A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/890,853
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-006-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-099-125A-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5

Db 580 YSDST 584

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|||||
RESULT 9
US-09-099-124A-4
; Sequence 4, Application US/09099124A
; Patent No. 5939302
; GENERAL INFORMATION:
; APPLICANT: Goedel, David V.
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,124A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-099-124A-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 580 YSDST 584

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; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032,476
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4341
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-032-476-4

Query Match 100.0%; Score 26; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 580 YSDST 584

RESULT 11
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:

```


LENGTH: 745 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-890-854-4

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Pred. No. 7.4e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
 |||||
 Db 580 YSDST 584

RESULT 12
 US-09-023-324-4
 ; Sequence 4, Application US/09023324
 ; Patent No. 6235513
 ; GENERAL INFORMATION:
 ; APPLICANT: Rothe, Mike
 ; APPLICANT: Cao, Zhaodan
 ; APPLICANT: R. gnter, Catherine
 ; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 ; STREET: 268 BUSH STREET, SUITE 3200
 ; CITY: SAN FRANCISCO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/023.324
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/890,854
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: OSMAN, RICHARD A
 ; REGISTRATION NUMBER: 36,627
 ; REFERENCE/DOCKET NUMBER: T97-006-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 343-4341
 ; TELEFAX: (415) 343-4342
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 745 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-09-023-324-4

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Pred. No. 7.4e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
 |||||
 Db 580 YSDST 584

RESULT 13
 US-09-168-629-2
 ; Sequence 2, Application US/09168629

Patent No. 6242253
 ; GENERAL INFORMATION:
 ; APPLICANT: Karin, Michael
 ; APPLICANT: DiDonato, Joseph A.
 ; APPLICANT: Rothwarf, David M.
 ; APPLICANT: Hayakawa, Makio
 ; APPLICANT: Zandi, Ebrahim
 ; TITLE OF INVENTION: IKK Kinase, Subunits Thereof, and Methods of Using Same
 ; FILE REFERENCE: P-UD 3295
 ; CURRENT APPLICATION NUMBER: US/09/168,629
 ; CURRENT FILING DATE: 1998-10-08
 ; EARLIER APPLICATION NUMBER: 60/061,470
 ; EARLIER FILING DATE: 1997-10-09
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 745
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-168-629-2

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Pred. No. 7.4e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
 |||||
 Db 580 YSDST 584

RESULT 14
 US-08-910-820-10
 ; Sequence 10, Application US/08910820
 ; Patent No. 6258579
 ; GENERAL INFORMATION:
 ; APPLICANT: Mercurio, Frank
 ; APPLICANT: Zhu, Hengyi
 ; APPLICANT: Barbosa, Miguel
 ; APPLICANT: Li, Gian
 ; APPLICANT: Murray, Brian W.
 ; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE
 ; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SEED and BERRY LLP
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/910,820
 ; FILING DATE: 12-AUG-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: MAKI, David J.
 ; REGISTRATION NUMBER: 31,392
 ; REFERENCE/DOCKET NUMBER: 860098.413C1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 622-4900
 ; TELEFAX: (206) 682-6031
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 745 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; US-08-910-820-10

Query Match 100.0%; Score 26; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 15
US-08-810-131A-2

; Sequence 2, Application US/08810131A

; Patent No. 6268194

; GENERAL INFORMATION:

; APPLICANT: Karin, Michael

; APPLICANT: Didonato, Joseph A.

; APPLICANT: Rothwarf, David M.

; APPLICANT: Hayakawa, Makio

; APPLICANT: Zandi, Edrahim

; TITLE OF INVENTION: I-Kappa-B Kinase and Methods of Using

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Campbell & Flores LLP

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: United States

; ZIP: 92122

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/810,131A

; FILING DATE: 25-FEB-1997

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-UD 2408

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 535-9001

; TELEFAX: (619) 535-8949

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-810-131A-2

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 16
US-09-109-986-4

; Sequence 4, Application US/09109986

; Patent No. 6479266

; GENERAL INFORMATION:

; APPLICANT: Roche, Mike

; APPLICANT: Cao, Zhaoan

; APPLICANT: R. Guier, Catherine

; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/109,986

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/890,854

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A.

; REGISTRATION NUMBER: 36,627

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; US-09-109-986-4

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 17
US-09-844-908-10

; Sequence 10, Application US/09844908

; Patent No. 6576437

; GENERAL INFORMATION:

; APPLICANT: Mercurio, Frank

; APPLICANT: Zhu, Hengyi

; APPLICANT: Barbosa, Miguel

; APPLICANT: Li, Gian

; APPLICANT: Murray, Brian W.

; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE

; NUMBER OF SEQUENCES: 25

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SEED AND BERRY LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

; ZIP: 98104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/844,908

; FILING DATE: 27-Apr-2001

; CLASSIFICATION: <Unknown>

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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/910,820
/ FILING DATE: 12-AUG-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Maki, David J.
/ REGISTRATION NUMBER: 31,392
/ REFERENCE/DOCKET NUMBER: 860098.413C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206) 622-4900
/ TELEFAX: (206) 682-6031
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 745 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-844-908-10

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 18
US-09-868-758-3
/ Sequence 3, Application US/09868758
/ Patent No. 6576439
/ GENERAL INFORMATION:
/ APPLICANT: Glaxo Wellcome KK
/ APPLICANT: Takemoto, Yoshihiro
/ APPLICANT: Sakai, Yutaka
/ APPLICANT: Hashimoto, Yasuhiro
/ TITLE OF INVENTION: IKK3
/ FILE REFERENCE: 9950986P
/ CURRENT APPLICATION NUMBER: US/09/868,758
/ CURRENT FILING DATE: 2001-09-27
/ PRIOR APPLICATION NUMBER: GB 9828704.8
/ PRIOR FILING DATE: 1998-12-24
/ NUMBER OF SEQ ID NOS: 45
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3
/ LENGTH: 745
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-868-758-3

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 19
US-09-796-872-2
/ Sequence 2, Application US/09796872
/ Patent No. 6689575
/ GENERAL INFORMATION:
/ APPLICANT: Karin, Michael
/ APPLICANT: Didonato, Joseph A.
/ APPLICANT: Rothwarf, David M.
/ APPLICANT: Hayakawa, Makio
/ APPLICANT: Zandi, Ebrahim
/ TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same
/ FILE REFERENCE: P-UD 3295
/ CURRENT APPLICATION NUMBER: US/09/796,872
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/ CURRENT FILING DATE: 2001-02-28
/ PRIOR APPLICATION NUMBER: 09/168,629
/ PRIOR FILING DATE: 1998-10-08
/ PRIOR APPLICATION NUMBER: 60/061,470
/ PRIOR FILING DATE: 1997-10-09
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 745
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-796-872-2

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 20
US-09-417-197-123
/ Sequence 123, Application US/09417197
/ Patent No. 6518021
/ GENERAL INFORMATION:
/ APPLICANT: Ole Thastrup, et al.
/ TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
/ TITLE OF INVENTION: On A Cellular Response
/ FILE REFERENCE: 3759-0110P
/ CURRENT APPLICATION NUMBER: US/09/417,197
/ CURRENT FILING DATE: 1999-10-07
/ NUMBER OF SEQ ID NOS: 143
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 123
/ LENGTH: 996
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Ikappab-kinase-EGFP fusion
US-09-417-197-123

Query Match          100.0%; Score 26; DB 4; Length 996;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 21
US-09-417-197-121
/ Sequence 121, Application US/09417197
/ Patent No. 6518021
/ GENERAL INFORMATION:
/ APPLICANT: Ole Thastrup, et al.
/ TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
/ TITLE OF INVENTION: On A Cellular Response
/ FILE REFERENCE: 3759-0110P
/ CURRENT APPLICATION NUMBER: US/09/417,197
/ CURRENT FILING DATE: 1999-10-07
/ NUMBER OF SEQ ID NOS: 143
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 121
/ LENGTH: 997
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: EGFP-Ikappab-kinase fusion
US-09-417-197-121
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Query Match 100.0%; Score 26; DB 4; Length 997;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 832 YSDST 836

RESULT 22
US-09-870-379A-16
Sequence 16, Application US/09870379A
Patent No. 6777439

GENERAL INFORMATION:
APPLICANT: Donald L. Durden
TITLE OF INVENTION: ADVANCED RESEARCH & TECHNOLOGY INSTITUTE
TITLE OF INVENTION: Compositions and Methods for Identifying
TITLE OF INVENTION: Agents which Modulate PTER Function and PI-3 Kinase
FILE REFERENCE: 1857-PO2575US1
CURRENT APPLICATION NUMBER: US/09/870,379A
CURRENT FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: 60/274,167
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: 60/208,437
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 16
LENGTH: 8
TYPE: PRT
ORGANISM: Homo sapiens
US-09-870-379A-16

Query Match 88.5%; Score 23; DB 4; Length 8;
Best Local Similarity 80.0%; Pred. No. 3.8e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 2 YSDST 6

RESULT 23
US-08-700-749A-3
Sequence 3, Application US/08700749A
Patent No. 5789550

GENERAL INFORMATION:
APPLICANT: GOEDEL, DAVID V.
APPLICANT: ROTH, MIKE
TITLE OF INVENTION: TRAF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,749A
FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.

REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-700-749A-3

Query Match 88.5%; Score 23; DB 1; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 24
US-09-020-684-3
Sequence 3, Application US/09020684
Patent No. 6004553

GENERAL INFORMATION:
APPLICANT: GOEDEL, DAVID V.
APPLICANT: ROTH, MIKE
TITLE OF INVENTION: TRAF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/020,684
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995

ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-020-684-3

Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 25

US-09-020-467-3
; Sequence 3, Application US/09020467
; Patent No. 6060303
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,467
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/002382
; FILING DATE: 17-aug-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P0960R1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-3216
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-09-020-467-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 YSDST 5
|||:
Db 26 YSDAT 30
RESULT 26
US-09-020-685-3
; Sequence 3, Application US/09020685
; Patent No. 6063585
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,685

FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-020-685-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 YSDST 5
|||:
Db 26 YSDAT 30
RESULT 27
US-09-020-683-3
; Sequence 3, Application US/09020683
; Patent No. 6294348
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,683
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/002382
; FILING DATE: 17-aug-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P0960R1D3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-3216
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-09-020-683-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 28

US-09-107-532A-5047
; Sequence 5047, Application US/09107532A
; Patent No. 6583275

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts

COUNTRY: USA
ZIP: 02354

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-ROM ISO9660

COMPUTER: PC

OPERATING SYSTEM: <Unknown>

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneke

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 5047:

SEQUENCE CHARACTERISTICS:

LENGTH: 67 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc feature

LOCATION: (B) LOCATION 1...67

SEQUENCE DESCRIPTION: SEQ ID NO: 5047:

US-09-107-532A-5047

Query Match 88.5%; Score 23; DB 4; Length 67;

Best Local Similarity 80.0%; Pred. No. 2.7e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

|||:
Db 25 YSDAT 29

RESULT 29

US-09-270-767-43530

; Sequence 43530, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 43530

LENGTH: 79

TYPE: PRT

ORGANISM: Drosophila melanogaster

US-09-270-767-43530

Query Match 88.5%; Score 23; DB 4; Length 79;

Best Local Similarity 80.0%; Pred. No. 3.3e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

|||:
Db 3 YTDST 7

RESULT 30

US-09-663-600A-132

; Sequence 132, Application US/09663600A

; Patent No. 6573068

; GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, Jean-Baptiste

APPLICANT: Duclert, Aymeric

APPLICANT: Bougueleret, Lydie

TITLE OF INVENTION: EXTENDED CDNAS FOR SECRETED PROTEINS

FILE REFERENCE: 31.US3.CIP

CURRENT APPLICATION NUMBER: US/09/663,600A

CURRENT FILING DATE: 2000-09-15

PRIOR APPLICATION NUMBER: 09/191,997

PRIOR FILING DATE: 1998-11-13

PRIOR APPLICATION NUMBER: 60/066,677

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/069,957

PRIOR FILING DATE: 1997-12-17

PRIOR APPLICATION NUMBER: 60/074,121

PRIOR FILING DATE: 1998-02-09

PRIOR APPLICATION NUMBER: 60/081,563

PRIOR FILING DATE: 1998-04-13

PRIOR APPLICATION NUMBER: 60/096,116

PRIOR FILING DATE: 1998-08-10

PRIOR APPLICATION NUMBER: 60/099,273

PRIOR FILING DATE: 1998-09-04

NUMBER OF SEQ ID NOS: 229

SOFTWARE: Patent .pm

SEQ ID NO 132

LENGTH: 80

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SIGNAL

LOCATION: -47...-1

US-09-663-600A-132

Query Match 88.5%; Score 23; DB 4; Length 80;

Best Local Similarity 80.0%; Pred. No. 3.3e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

|||:
Db 11 YTDST 15

RESULT 31

US-09-663-600A-226

; Sequence 226, Application US/09663600A

; Patent No. 6573068

; GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, Jean-Baptiste

APPLICANT: Duclert, Aymeric

```

; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: EXTENDED CDNAS FOR SECRETED PROTEINS
; FILE REFERENCE: 31. US3. CIP
; CURRENT APPLICATION NUMBER: US/09/663,600A
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/099,273
; PRIOR FILING DATE: 1998-09-04
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patent.pm
; SEQ ID NO 226
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -47...-1
; US-09-663-600A-226

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Query Match      88.5%; Score 23; DB 4; Length 80;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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```

QY      1 YSDST 5
        |||||
Db      11 YTDST 15

```

```

RESULT 32
US-09-248-796A-26611
; Sequence 26611, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 26611
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Candida albicans
; US-09-248-796A-26611

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Query Match      88.5%; Score 23; DB 4; Length 94;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 YSDST 5
        |||||
Db      69 YADST 73

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```

RESULT 33
US-09-198-452A-325
; Sequence 325, Application US/09198452A

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; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Giffels, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; PRIOR FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 325
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-09-198-452A-325

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Query Match      88.5%; Score 23; DB 4; Length 128;
Best Local Similarity 80.0%; Pred. No. 5.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 YSDST 5
        |||||
Db      75 YTDST 79

```

```

RESULT 34
US-09-107-532A-432A
; Sequence 432A, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSER: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET INFORMATION:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-8277
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 432A:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...139

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SEQUENCE DESCRIPTION: SEQ ID NO: 4324;
US-09-107-532A-4324

Query Match 88.5%; Score 23; DB 4; Length 139;
Best Local Similarity 80.0%; Pred. No. 5.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 63 YSDNT 67

RESULT 35
US-09-248-796A-19951
Sequence 19951, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 19951
LENGTH: 144
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-19951

Query Match 88.5%; Score 23; DB 4; Length 144;
Best Local Similarity 80.0%; Pred. No. 6.1e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 38 YSDNT 42

RESULT 36
US-09-107-532A-6111
Sequence 6111, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
CORRESPONDENCE ADDRESS:
ADDRESS: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:

NAME: Arinello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 6111:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (B) LOCATION 1...151
SEQUENCE DESCRIPTION: SEQ ID NO: 6111;
US-09-107-532A-6111

Query Match 88.5%; Score 23; DB 4; Length 151;
Best Local Similarity 80.0%; Pred. No. 6.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 86 YSDTT 90

RESULT 37
US-09-270-767-45375
Sequence 45375, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO 45375
LENGTH: 160
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-45375

Query Match 88.5%; Score 23; DB 4; Length 160;
Best Local Similarity 80.0%; Pred. No. 6.8e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 134 YSDAT 138

RESULT 38
US-09-270-767-46937
Sequence 46937, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO 46937
LENGTH: 174
TYPE: PRT
ORGANISM: Drosophila melanogaster

US-09-270-767-46937

Query Match 88.5%; Score 23; DB 4; Length 174;
 Best Local Similarity 80.0%; Pred. No. 7.4e+02;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
 |||:
 Db 3 YSDNT 7

RESULT 39

US-09-489-039A-11064
 ; Sequence 11064, Application US/09489039A
 ; Patent No. 6610835
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 2709,2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 11064
 ; LENGTH: 194
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-11064

Query Match 88.5%; Score 23; DB 4; Length 194;
 Best Local Similarity 80.0%; Pred. No. 8.3e+02;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
 |||:
 Db 84 YSDAT 88

RESULT 40

US-09-270-767-43695
 ; Sequence 43695, Application US/09270767
 ; Patent No. 6703491
 ; GENERAL INFORMATION:
 ; APPLICANT: Homburger et al.
 ; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
 ; FILE REFERENCE: File Reference: 7326-094
 ; CURRENT APPLICATION NUMBER: US/09/270,767
 ; CURRENT FILING DATE: 1999-03-17
 ; NUMBER OF SEQ ID NOS: 62517
 ; SOFTWARE: Patent Ver. 2.0
 ; SEQ ID NO 43695
 ; LENGTH: 217
 ; TYPE: PRT
 ; ORGANISM: Drosophila melanogaster
 ; FEATURE:
 ; OTHER INFORMATION: Xaa means any amino acid
 ; US-09-270-767-43695

Query Match 88.5%; Score 23; DB 4; Length 217;
 Best Local Similarity 80.0%; Pred. No. 9.4e+02;
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
 |||:
 Db 21 YNDST 25

Search completed: November 17, 2004, 14:59:50
 Job time : 5.80769 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:42:52 ; Search time 44.2308 Seconds

(without alignments)
68.971 Million cell updates/secTitle: US-09-884-211b-4_COPY_1_46
Perfect score: 263
Sequence: 1 MNSTLHGHTSLHFWNRST.....ATSLGKGYDGCYEQLFV 46Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

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6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	188.5	71.7	332	1	US-08-671-525B-8
2	188.5	71.7	332	1	US-08-672-109B-8
3	188.5	71.7	332	2	US-08-842-045-8
4	188.5	71.7	332	2	US-08-842-238-8
5	188.5	71.7	332	2	US-08-662-560-2
6	188.5	71.7	332	2	US-08-780-749A-2
7	188.5	71.7	332	2	US-08-780-749A-6
8	188.5	71.7	332	2	US-08-629-335B-8
9	188.5	71.7	332	3	US-08-870-511-2
10	188.5	71.7	332	3	US-08-870-511-6
11	188.5	71.7	332	3	US-08-870-511-8
12	188.5	71.7	332	3	US-08-870-511-10
13	188.5	71.7	332	3	US-08-870-511-12
14	188.5	71.7	332	4	US-09-384-302A-9
15	188.5	69.4	332	3	US-08-706-281A-16
16	182.5	69.4	332	3	US-09-097-231-16
17	182.5	69.4	332	4	US-09-353-099-16
18	178.5	67.9	332	4	US-09-831-206-2
19	174.5	63.3	332	4	US-09-384-302A-6
20	148.5	55.5	39	4	US-09-198-452A-556
21	62	23.6	237	4	US-09-198-452A-556
22	61.5	23.4	51	4	US-08-488-446-324
23	61.5	23.4	51	4	US-08-467-344A-324
24	61.5	23.4	51	4	US-08-424-550B-324
25	61.5	23.4	51	4	US-08-444-005-15
26	58	22.1	656	1	US-09-069-023-28
27	58	22.1	656	3	US-09-069-023-28

28	58	22.1	656	4	US-09-345-473E-30	Sequence 30, Appl
29	58	22.1	983	4	US-09-538-092-1320	Sequence 1320, Ap
30	57	21.7	181	3	US-09-194-905-6	Sequence 6, Appl
31	57	21.7	325	3	US-09-194-905-11	Sequence 11, Appl
32	57	21.7	518	4	US-09-679-668B-23	Sequence 23, Appl
33	56.5	21.5	150	4	US-09-543-681A-7974	Sequence 7974, Ap
34	55	20.9	242	4	US-09-614-912-76	Sequence 76, Appl
35	55	20.9	462	4	US-09-919-039-324	Sequence 324, App
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38	54.5	20.7	278	4	US-09-915-524-21	Sequence 21, Appl
39	54.5	20.7	278	4	US-09-934-634-21	Sequence 30, Appl
40	54.5	20.7	609	4	US-09-443-067-30	Sequence 18729, A
41	54	20.5	1125	4	US-09-252-991A-18729	Sequence 6721, A
42	53.5	20.3	353	4	US-09-328-352-6721	Sequence 62, Appl
43	53.5	20.3	845	1	US-09-408-020-62	Sequence 4, Appl
44	53	20.2	390	1	US-08-106-981-6	Sequence 5512, Ap
45	53	20.2	847	4	US-09-543-681A-5512	

ALIGNMENTS

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RESULT 1
US-08-671-525B-8
; Sequence 8, Application US/06671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/671,525B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DBB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-671-525B-8

Query Match 71.7%; Score 188.5; DB 1; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

OY 1 MNSTLHGHTSLHFWNRSTGCGNATSLGKGYDGCYEQLFV 46
Db 2 VNSTLHGHTSLHFWNRSTGCGNATSLGKGYDGCYEQLFV 46

RESULT 2
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US-08-672-109B-8      ; Sequence 8, Application US/08672109B
Patent No. 5710265
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/672,109B
FILING DATE: June 27, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Dean F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEO ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-672-109B-8

Query Match      71.7%; Score 188.5; DB 1; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

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Db      2 VNST-HRGMHTSLHLMNRSSYRLHSMASESLGKGYSDGGCYEOLFV 46

RESULT 3
US-08-842-045-8      ; Sequence 8, Application US/08842045
Patent No. 5817787
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,045
FILING DATE:
CLASSIFICATION: 536

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/ ATTORNEY/AGENT INFORMATION:
/ NAME: Smith, Dean F.
/ REGISTRATION NUMBER: 36683
/ REFERENCE/DOCKET NUMBER: 2115-000853DVE
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (810)641-1600
/ TELEFAX: (810)641-0270
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 332 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-842-045-8

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Best Local Similarity 76.1%; Pred.No.1e-16;
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RESULT 4
US-08-842-238-8
/ Sequence 8, Application US/08842238
/ Patent No. 5869257
/ GENERAL INFORMATION:
/ APPLICANT: Yamada, Tadataka
/ APPLICANT: Gantz, Ira
/ TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
/ NUMBER OF SEQUENCES: 23
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
/ STREET: P.O. Box 828
/ CITY: Bloomfield Hills
/ STATE: MI
/ COUNTRY: US
/ ZIP: 48303
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/842,238
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Smith, Dean F.
/ REGISTRATION NUMBER: 36683
/ REFERENCE/DOCKET NUMBER: 2115-000853DVD
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (810)641-1600
/ TELEFAX: (810)641-0270
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 332 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-842-238-8

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred.No.1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1

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2 VNST-HRGWMTSLHLMNRSYRLHNSASESLGKGYSDGCGYEQLFV 46

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RESULT 5
US-08-662-560-2
Sequence 2, Application US/08662560
Patent No. 5908609
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzsar, Dennis
APPLICANT: Wei, Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/662,560
FILING DATE: 10-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cornuzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-060
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-662-560-2

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1

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RESULT 6
US-08-780-749A--2
Sequence 2, Application US/08780749A
Patent No. 5932779
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzsar, Dennis
APPLICANT: Wei, Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York

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SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-780-749A-6

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFNWRSYTGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASBSLGKGYSDGCGYEQLFV 46

RESULT 8

US-08-629-335B-8
Sequence 8, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:

APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRS: 23
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFNWRSYTGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASBSLGKGYSDGCGYEQLFV 46

RESULT 9

US-08-870-511-2
Sequence 2, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:

APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis

APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFNWRSYTGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASBSLGKGYSDGCGYEQLFV 46

RESULT 10

US-08-870-511-6
Sequence 6, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:

APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-6

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFNWRSYTGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASBSLGKGYSDGCGYEQLFV 46

RESULT 11

US-08-870-511-8
Sequence 8, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:

APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-8

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Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLHGQMTSLHFMNRSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 12
US-08-870-511-10
; Sequence 10, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Hueszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLHGQMTSLHFMNRSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 13
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Hueszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLHGQMTSLHFMNRSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 14
US-09-384-302A-9
; Sequence 9, Application US/09384302A
```

```
Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botli, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: grfn-028/02MO
; CURRENT APPLICATION NUMBER: US/09/384,302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 71.7%; Score 188.5; DB 4; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLHGQMTSLHFMNRSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 15
US-08-706-281A-16
; Sequence 16, Application US/08706281A
; Patent No. 6100048
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Fan, Wei
; APPLICANT: Boston, Bruce A
; APPLICANT: Kesterton, Robert A
; APPLICANT: Lu, Dongxi
; APPLICANT: Chen, Wenbiao
; TITLE OF INVENTION: Methods and Reagents for Discovering and
; TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,281A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6100048nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 96,886
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
```

TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-706-281A-16

Query Match 69.4%; Score 182.5; DB 3; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMNRSYTGQHGHNATSESLGKGYPDGCGYEQLELV 46
Db 2 VNST-HRGWHTSLHLMNRSYRLHNSASBSLGKGYSDGCGYQLELV 46

RESULT 16
US-09-097-231-16
Sequence 16, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
Chen, Wenbiao
Low, Malcolm J

TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-097-231-16

Query Match 69.4%; Score 182.5; DB 3; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMNRSYTGQHGHNATSESLGKGYPDGCGYEQLELV 46
Db 2 VNST-HRGWHTSLHLMNRSYRLHNSASBSLGKGYSDGCGYQLELV 46

RESULT 17
US-09-353-099-16
Sequence 16, Application US/09353099

Patent No. 6476187
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
Pan, Wei
Boston, Bruce A
Kesterton, Robert A
Lu, Dongxi
Chen, Wenbiao

TITLE OF INVENTION: Methods and Reagents for Discovering and
Using Mammalian Melanocortin Receptor Agonists and Antagonists
to Modulate Feeding Behavior in Animals

NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,099
FILING DATE: 14-Sep-1999
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 08/706,281
APPLICATION NUMBER: 04-SEP-1996
FILING DATE: 04-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: No. 6476187nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-353-099-16

Query Match 69.4%; Score 182.5; DB 4; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMNRSYTGQHGHNATSESLGKGYPDGCGYEQLELV 46
Db 2 VNST-HRGWHTSLHLMNRSYRLHNSASBSLGKGYSDGCGYQLELV 46

RESULT 18
US-09-831-206-2
Sequence 2, Application US/09831206
Patent No. 6573070
GENERAL INFORMATION:
APPLICANT: Macneil, Douglas J.
Weinberg, David H.
APPLICANT: Van der Ploeg, Leonardus H. T.

TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
FILE REFERENCE: 20190P
CURRENT APPLICATION NUMBER: US/09/831,206
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: PCT/US99/25767
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: 60/107,721

PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

Query Match 67.9%; Score 178.5; DB 4; Length 332;
Best Local Similarity 71.7%; Pred. No. 2e-15;
Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Qy 1 NSTLQHGHTSLHFNWSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHFNWSSYRLHNSASISLGKGYSDGCGYEQLFV 46

RESULT 19

US-09-384-302A-6
Sequence 6, Application US/09384302A
Patent No. 6451543
GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botti, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: grefn-028/02WO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-6

Query Match 66.3%; Score 174.5; DB 4; Length 332;
Best Local Similarity 71.7%; Pred. No. 6.8e-15;
Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Qy 1 NSTLQHGHTSLHFNWSTYGOHGNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHFNWSSYRLHNSASISLGKGYEQLFV 46

RESULT 20

US-09-384-302A-7
Sequence 7, Application US/09384302A
Patent No. 6451543
GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botti, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: grefn-028/02WO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 39
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-7

Query Match 56.5%; Score 148.5; DB 4; Length 39;
Best Local Similarity 71.8%; Pred. No. 1.4e-12;
Matches 28; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 NSTLQHGHTSLHFNWSTYGOHGNATESLGKGYPDG 39
Db 2 VNST-HRGMHTSLHFNWSSYRLHNSASISLGKGYSDG 39

RESULT 21

US-09-198-452A-556
Sequence 556, Application US/09198452A
Patent No. 6559294
GENERAL INFORMATION:
APPLICANT: Grifflais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 556
LENGTH: 237
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
US-09-198-452A-556

Query Match 23.6%; Score 62; DB 4; Length 237;
Best Local Similarity 44.1%; Pred. No. 2.5;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLQHGHTSLHFNWSTYGOHGNATESLGKGY 35
Db 32 NTLSLQHGHTSLHFNWSSYRLHNSASISLGKGY 55

RESULT 22

US-08-469-260A-324
Sequence 324, Application US/08469260A
Patent No. 6451578
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMU J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHROFF
APPLICANT: JAMES C. EKKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAMMAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESSES:
ADDRESS: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,260A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-260A-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

QY 8 GMSLSLFWNRSTYGQHNATESLKGYP---DG--GCYEQL 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYRGTLDVSGCSDQL 45

RESULT 23
US-08-488-446-324
Sequence 324, Application US/08488446
Patent No. 6558898
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHRHOF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
TITLE OF INVENTION: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-446-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

QY 8 GMSLSLFWNRSTYGQHNATESLKGYP---DG--GCYEQL 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYRGTLDVSGCSDQL 45

RESULT 24
US-08-467-344A-324
Sequence 324, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHRHOF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Jun-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,550
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 324:
US-08-467-344A-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

OY 8 GMTSLHFMNRTYGGHGNATSLGKGYD---DG--GCYEQ 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYPTLIDGVSGCDOL 45

RESULT 25
US-08-424-550B-324
Sequence 324, Application US/08424550B
Patent No. 6720166
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATIAS
APPLICANT: GEORGE J. DAMSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHRHOF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUTIK
APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550B
FILING DATE:
CLASSIFICATION: 435435
ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-424-550B-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

OY 8 GMTSLHFMNRTYGGHGNATSLGKGYD---DG--GCYEQ 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYPTLIDGVSGCDOL 45

RESULT 26

US-08-444-005-15
Sequence 15, Application US/08444005
Patent No. 5674734
GENERAL INFORMATION:
APPLICANT: Leder, Philip
APPLICANT: Seed, Brian
APPLICANT: Stanger, Ben Z.
APPLICANT: Lee, Tae-Ho
APPLICANT: Kim, Emily
TITLE OF INVENTION: CELL DEATH PROTEIN
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street, Suite 3100
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/444,005
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,164
REFERENCE/DOCKET NUMBER: 00383/026001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 656 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-444-005-15

Query Match 22.1%; Score 58; DB 1; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

OY 16 WNRSTYGGHGNATSLGKGYD 36
DB 460 WNNGLYNDHGFCTGTGTGYD 480

RESULT 27
US-09-069-023-28
Sequence 28, Application US/09069023A
Patent No. 6348573
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Koseki, Takeyoshi
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
FILING DATE: 1998-04-27
CURRENT APPLICATION NUMBER: US/09/069,023A
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 28
LENGTH: 656
TYPE: PRT
ORGANISM: Mus musculus
US-09-069-023-28

US-09-069-023-28

Query Match 22.1%; Score 58; DB 3; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGOHGNATESLGKYP 36
DB 460 WNNGLYNHGHGFTGTGTGWYP 480

RESULT 28
US-09-345-473E-30
; Sequence 30, Application US/09345473E
; Patent No. 6558903
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin
; TITLE OF INVENTION: No. 6558903el Kinases and Uses Thereof
; FILE REFERENCE: 35800/183781
; CURRENT APPLICATION NUMBER: US/09/345,473E
; PENDING FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 656
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-345-473E-30

Query Match 22.1%; Score 58; DB 4; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGOHGNATESLGKYP 36
DB 460 WNNGLYNHGHGFTGTGTGWYP 480

RESULT 29
US-09-538-092-1320
; Sequence 1320, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; PENDING FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurataseqFormatter Version 0.9
; SEQ ID NO 1320
; LENGTH: 983
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q14157
US-09-538-092-1320

Query Match 22.1%; Score 58; DB 4; Length 983;
Best Local Similarity 38.5%; Pred. No. 44;
Matches 15; Conservative 6; Mismatches 10; Indels 8; Gaps 2;

QY 3 STLGHGHTSLH-----FNNRSTYGOHGNATESLGKYP 36
DB 937 SSKQHGIVNVASATPFGQPSGSHGYNT---GRKTP 972

RESULT 30
US-09-194-905-6
; Sequence 6, Application US/09194905
; Patent No. 6306627

; GENERAL INFORMATION:
; APPLICANT: DECKER, Heinrich
; TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
; TITLE OF INVENTION: PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
; TITLE OF INVENTION: GLA.O AND THEIR USE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/194,905
FILING DATE: 29-JUL-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP97/02826
FILING DATE: 30-MAY-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5390
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 181 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

US-09-194-905-6
MOLECULE TYPE: protein

Query Match 21.7%; Score 57; DB 3; Length 181;
Best Local Similarity 37.5%; Pred. No. 8.3;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLGHGHTSLHFNRRSTYGO--HGNATES 30
DB 104 LDALRHGVRTLVHVSSTDEVYGLPHGAAS 135

RESULT 31
US-09-194-905-11
; Sequence 11, Application US/09194905
; Patent No. 6306627
; GENERAL INFORMATION:
; APPLICANT: DECKER, Heinrich
; TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
; TITLE OF INVENTION: PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.

ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/194,905
FILING DATE: 29-JUL-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP97/02826
FILING DATE: 30-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-194-905-11

Query Match 21.7%; Score 57; DB 3; Length 325;
Best Local Similarity 37.5%; Pred. No. 16;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;
Oy 1 MNSTLHGHTSLHFWNRSTYGO--HGNATES 30
Db 111 LDALRHGVRTFVHVSTBEVYGSPLHGAAAB 142

RESULT 32
US-09-679-686B-23
Sequence 23, Application US/09679686B
Patent No. 6624343
GENERAL INFORMATION:
APPLICANT: Allen, Stephen M.
APPLICANT: Lightner, Jonathan E.
APPLICANT: Rafalski, J. Antoni
APPLICANT: Thorpe, Catherine J.
TITLE OF INVENTION: HEXOSE CARRIER PROTEINS
FILE REFERENCE: BB1160 US NA
CURRENT APPLICATION NUMBER: US/09/679,686B
CURRENT FILING DATE: 2003-01-16
PRIOR APPLICATION NUMBER: 60/081,131
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: PCT/US99/07561
PRIOR FILING DATE: 1999-04-07
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Microsoft Office 97
SEQ ID NO 23
LENGTH: 518
TYPE: PRT
ORGANISM: Medicago truncatula
US-09-679-686B-23

Query Match 21.7%; Score 57; DB 4; Length 518;
Best Local Similarity 52.2%; Pred. No. 28;
Matches 12; Conservative 3; Mismatches 6; Indels 2; Gaps 2;
Oy 15 FWNST-YGQHGNTESLGKYP 36
Db 494 FWSRFEVHGHGNGVE-MGKGAP 515

RESULT 33
US-09-543-681A-7974
Sequence 7974, Application US/09543681A
Patent No. 6605709
GENERAL INFORMATION:
APPLICANT: GARY BRETON
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
FILE REFERENCE: 2709.1002-001
CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 7974
LENGTH: 150
TYPE: PRT
ORGANISM: Proteus mirabilis
US-09-543-681A-7974

Query Match 21.5%; Score 56.5; DB 4; Length 150;
Best Local Similarity 35.3%; Pred. No. 7.7;
Matches 12; Conservative 7; Mismatches 14; Indels 1; Gaps 1;
Oy 8 GHTSLHFWNRSTYGOHGNTES-LGKGYPDGCG 40
Db 65 GTPDISYDANLYGENNVLESHIGKYEYNSC 98

RESULT 34
US-09-614-912-76
Sequence 76, Application US/09614912
Patent No. 6677502
GENERAL INFORMATION:
APPLICANT: Allen, Steve
APPLICANT: Rafalski, Antoni
APPLICANT: Orozco, Buddy
APPLICANT: Miao, Gou-Hau
APPLICANT: Famodu, Omolayo O.
APPLICANT: Lee, Jian Ming
APPLICANT: Sakai, Hajime
APPLICANT: Weng, Zude
APPLICANT: Cai, Perry G
APPLICANT: Anderson, Shawn
TITLE OF INVENTION: Plant Metabolism Genes
FILE REFERENCE: BB1378 US NA
CURRENT APPLICATION NUMBER: US/09/614,912
CURRENT FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: 60/143,401
PRIOR FILING DATE: 1999-07-12
PRIOR APPLICATION NUMBER: 60/143,412
PRIOR FILING DATE: 1999-07-12
PRIOR APPLICATION NUMBER: 60/146,650
PRIOR FILING DATE: 1999-07-30
PRIOR APPLICATION NUMBER: 60/170,906
PRIOR FILING DATE: 1999-12-15
PRIOR APPLICATION NUMBER: 60/172,959
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/172,946
PRIOR FILING DATE: 1999-12-21
NUMBER OF SEQ ID NOS: 204
SOFTWARE: Microsoft Office 97
SEQ ID NO 76
LENGTH: 242
TYPE: PRT
ORGANISM: Zea mays
US-09-614-912-76

Query Match 20.9%; Score 55; DB 4; Length 242;
Best Local Similarity 37.0%; Pred. No. 21;
Matches 17; Conservative 4; Mismatches 23; Indels 2; Gaps 2;

NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.0
SEQ ID NO 21
LENGTH: 278
TYPE: PRT
ORGANISM: Rattus norvegicus
US-09-934-634-21

Query Match 20.7%; Score 54.5; DB 4; Length 278;
Best Local Similarity 32.4%; Pred. No. 29;
Matches 12; Conservative 4; Mismatches 6; Indels 15; Gaps 1;

QY 9 MHTSLHFWNRSTYGGHGNATSLGKGYPDGCGYEQLF 45
:::|::|::|
Db 102 LNTSITFWNTT-----LDDGCGYWCLEF 123

RESULT 40
US-09-443-067-30
Sequence 30, Application US/09443067
Patent No. 6627794
GENERAL INFORMATION:
APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
APPLICANT: ORGANISATION
TITLE OF INVENTION: Polyphenol oxidase genes from banana, lettuce, tobacco and
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/09/443,067
CURRENT FILING DATE: 1999-11-18
EARLIER APPLICATION NUMBER: US 08/976, 222
EARLIER FILING DATE: 1997-11-21
EARLIER APPLICATION NUMBER: PCT/AU98/00362
EARLIER FILING DATE: 1998-05-19
EARLIER APPLICATION NUMBER: AU PP3898
EARLIER FILING DATE: 1995-05-23
EARLIER APPLICATION NUMBER: AU PP6849
EARLIER FILING DATE: 1997-05-19
EARLIER APPLICATION NUMBER: AU PP5600
EARLIER FILING DATE: 1995-09-26
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 609
TYPE: PRT
ORGANISM: lettuce
US-09-443-067-30

Query Match 20.7%; Score 54.5; DB 4; Length 609;
Best Local Similarity 32.6%; Pred. No. 72;
Matches 15; Conservative 8; Mismatches 10; Indels 13; Gaps 3;

QY 4 TLQHGNTSLHFWNRSTYGGHGNATSLGKGYPDGCGYEQLF 45
:::|::|::|
Db 342 TVEAGVHTAAHRM-----VGNSTRANSEDMGNFYASG-YDPLF 378

Search completed: November 17, 2004, 14:59:48
Job time : 46.2308 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:54:39 ; Search time 89.641 Seconds

(without alignments)
181.723 Million cell updates/sec

Title: US-09-884-211b-4_COPY_1_46

Perfect score: 263
Sequence: 1 MNSTLQHGMRSLHFWRNST.....ATSLGKGYPDGCEQLFV 46

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/2/pubpaa/BCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
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19: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	263	100.0	332	US-09-884-211A-4	Sequence 4, Appli
2	227	86.3	332	US-09-884-211A-3	Sequence 3, Appli
3	188.5	71.7	332	US-09-876-252-74	Sequence 74, Appli
4	188.5	71.7	332	US-09-876-252-136	Sequence 136, Appli
5	188.5	71.7	332	US-10-226-594-9	Sequence 9, Appli
6	188.5	71.7	332	US-10-207-330-9	Sequence 156, Appli
7	188.5	71.7	332	US-10-225-567A-158	Sequence 27, Appli
8	188.5	71.7	332	US-10-318-661-27	Sequence 2, Appli
9	188.5	71.7	332	US-10-413-752-2	Sequence 4, Appli
10	188.5	71.7	332	US-10-413-752-6	Sequence 74, Appli
11	188.5	71.7	332	US-10-417-820A-74	Sequence 136, Appli
12	188.5	71.7	332	US-10-417-820A-136	Sequence 74, Appli
13	188.5	71.7	332	US-10-723-955-74	Sequence 136, Appli

14	188.5	71.7	332	US-10-723-955-136	Sequence 136, Appli
15	182.5	69.4	332	US-10-288-160-16	Sequence 16, Appli
16	182.5	69.4	332	US-10-074-754-2	Sequence 2, Appli
17	178.5	67.9	332	US-10-373-355-2	Sequence 2, Appli
18	177	67.3	332	US-09-910-180-2	Sequence 2, Appli
19	174.5	66.3	332	US-10-207-330-6	Sequence 6, Appli
20	163	62.0	43	US-09-910-180-5	Sequence 5, Appli
21	148.5	56.5	39	US-10-207-330-7	Sequence 7, Appli
22	82	31.2	17	US-10-225-567A-1061	Sequence 1061, Ap
23	78.5	29.8	20	US-10-225-567A-1064	Sequence 1064, Ap
24	64	24.3	212	US-10-424-599-205902	Sequence 205902
25	62	23.6	237	US-10-289-762-556	Sequence 556, App
26	62	23.6	237	US-10-282-122A-54775	Sequence 54775, A
27	61.5	23.4	51	US-08-424-5508-324	Sequence 324, App
28	59.5	22.6	249	US-09-880-748-455	Sequence 455, App
29	59.5	22.6	249	US-10-293-418-455	Sequence 455, App
30	58	22.1	91	US-10-425-115-224155	Sequence 224155
31	58	22.1	469	US-10-360-849A-36	Sequence 36, Appli
32	58	22.1	656	US-09-862-027-30	Sequence 30, Appli
33	57	21.7	181	US-09-922-683-6	Sequence 6, Appli
34	57	21.7	325	US-09-922-683-11	Sequence 11, Appli
35	56.5	21.5	264	US-10-425-115-326310	Sequence 326310
36	56.5	21.5	1256	US-10-369-493-13988	Sequence 13988, A
37	56	21.3	285	US-10-437-963-123794	Sequence 123794
38	56	21.3	472	US-10-421-654-42	Sequence 42, Appli
39	56	21.3	490	US-10-421-654-52	Sequence 52, Appli
40	56	21.3	493	US-10-421-654-52	Sequence 52, Appli
41	55.5	21.1	654	US-10-152-886-49	Sequence 49, Appli
42	55	20.9	97	US-10-767-701-49811	Sequence 49811, A
43	55	20.9	112	US-10-424-599-269136	Sequence 269136
44	55	20.9	392	US-10-425-115-334712	Sequence 334712
45	55	20.9	397	US-10-369-493-5470	Sequence 5470, Ap

ALIGNMENTS

RESULT 1
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et., al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
; FILE REFERENCE: PCT/0743A
; CURRENT APPLICATION NUMBER: US/09/884, 211A
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213, 909
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MCR protein Sequence
US-09-884-211A-4

Query Match 100.0%; Score 263; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 1,7e-26;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MNSTLQHGMRSLHFWRNSTYGQGNATSLGKGYPDGCEQLFV 46
DB 1 MNSTLQHGMRSLHFWRNSTYGQGNATSLGKGYPDGCEQLFV 46

RESULT 2
US-09-884-211A-3
; Sequence 3, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:

```
APPLICANT: Alan et. al.
TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
FILE REFERENCE: PCI0743A
CURRENT APPLICATION NUMBER: US/09/884,211A
CURRENT FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/213,909
PRIOR FILING DATE: 2000-06-26
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 332
TYPE: PRT
ORGANISM: Feline MC4R protein Sequence
US-09-884-211A-3

Query Match      86.3%; Score 227; DB 10; Length 332;
Best Local Similarity 87.0%; Pred. No. 1,1e-21;
Matches 40; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Oy      1  MNSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYPDGCGYEQLFV 46
Db      1  MNSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYSDGCGYEQLFV 46

RESULT 3
US-09-876-252-74
Sequence 74, Application US/09876252
Publication No. US20030018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulisma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
FILE REFERENCE: ARN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
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PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,127
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,634
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.0
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-252-74

Query Match      71.7%; Score 188.5; DB 10; Length 332;
Best Local Similarity 76.1%; Pred. No. 1,4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Oy      1  MNSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYPDGCGYEQLFV 46
Db      2  VNSTLHRGQMTSLHFMNRSSYRLHNSAESLGKGYSDGCGYEQLFV 46

RESULT 4
US-09-876-252-136
Sequence 136, Application US/09876252
Publication No. US20030018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulisma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
FILE REFERENCE: ARN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
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; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-136

Query Match      71.7%; Score 188.5; DB 10; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy      1  MNSTLQHGMTSLHFNRSSTYGCGNATSESLGKGYPDGCGYEQLFV 46
      :||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      2  VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 5
US-10-226-594-4
; Sequence 4, Application US/10226594
; Publication No. US20030017966A1
; GENERAL INFORMATION:
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; APPLICANT: Duman, Ronald
; TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
; TITLE OF INVENTION: USED TO TREAT DRUG ADDICTION
; FILE REFERENCE: 07334-101001
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US/10/226,594
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US/09/385,763
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 60/099,104
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-226-594-4

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy      1  MNSTLQHGMTSLHFNRSSTYGCGNATSESLGKGYPDGCGYEQLFV 46
      :||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      2  VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 6
US-10-207-330-9
; Sequence 9, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochenderfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bocelli, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: grfn-026/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31/263,971
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-207-330-9

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy      1  MNSTLQHGMTSLHFNRSSTYGCGNATSESLGKGYPDGCGYEQLFV 46
      :||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      2  VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 7
US-10-225-567A-158
; Sequence 158, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
```

```

; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 158
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-158

Query Match
Best Local Similarity 71.7%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYPDGCGYEQLFV 46
2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 8
; Sequence 27, Application US/1031661
; Publication No. US20030167476A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Bruce R.
; TITLE OF INVENTION: Selective Target Cell Activation By
; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
; FILE REFERENCE: UCAL-049C1P2
; CURRENT APPLICATION NUMBER: US/10/318,661
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 09/341,446
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US97/05334
; PRIOR FILING DATE: 1997-03-25
; PRIOR APPLICATION NUMBER: US 08/622,348
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 27
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-318-661-27

Query Match
Best Local Similarity 71.7%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYPDGCGYEQLFV 46
2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 9
; Sequence 2, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:
; APPLICANT: Frank Lee
; APPLICANT: Dennis Huszar
; APPLICANT: Wei Gu
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
; TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-145
; CURRENT APPLICATION NUMBER: US/10/413,752
```

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; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US/09/322,695
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/662,560
; PRIOR FILING DATE: 1996-06-10
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-413-752-2

Query Match
Best Local Similarity 71.7%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYPDGCGYEQLFV 46
2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 10
; Sequence 6, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:
; APPLICANT: Frank Lee
; APPLICANT: Dennis Huszar
; APPLICANT: Wei Gu
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
; TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-145
; CURRENT APPLICATION NUMBER: US/10/413,752
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US/09/322,695
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/662,560
; PRIOR FILING DATE: 1996-06-10
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Rattus sp.
US-10-413-752-6

Query Match
Best Local Similarity 71.7%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYPDGCGYEQLFV 46
2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 11
; Sequence 74, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behar, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: 7.US28.CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
```

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; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-74
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Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
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Qy      1  MNSTLQHGMTSLHFNRSSTYGQGNATSESGKGYPDGCGYEQLFV 46
Db      2  VNST-HRGMHTSLHFNRSSTYRLHNSASESGKGYSDGCGYEQLFV 46
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RESULT 12
; Sequence 136, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7, US28.CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; PRIOR FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-136
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Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
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Qy      1  MNSTLQHGMTSLHFNRSSTYGQGNATSESGKGYPDGCGYEQLFV 46
Db      2  VNST-HRGMHTSLHFNRSSTYRLHNSASESGKGYSDGCGYEQLFV 46
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RESULT 13
; Sequence 74, Application US/10723955
; Publication No. US20040110238A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lin, I-Lin
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lehman-Bruijnema, Karin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7, US29.CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-74
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Query Match      71.7%; Score 188.5; DB 16; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
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Qy      1  MNSTLQHGMTSLHFNRSSTYGQGNATSESGKGYPDGCGYEQLFV 46
Db      2  VNST-HRGMHTSLHFNRSSTYRLHNSASESGKGYSDGCGYEQLFV 46
```

```

1  NUMBER OF SEQUENCES: 19
2  CORRESPONDENCE ADDRESSES:
3  ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
4  STREET: 300 South Wacker Drive
5  CITY: Chicago
6  STATE: IL
7  COUNTRY: USA
8  ZIP: 60606
9  COMPUTER READABLE FORM:
10 MEDIUM TYPE: floppy disk
11 COMPUTER: IBM PC compatible
12 OPERATING SYSTEM: PC-DOS/MS-DOS
13 SOFTWARE: PatentIn Release #1.0, Version #1.25
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/10/288,160
16 FILING DATE: 05-NO. US20030105024A1-2002
17 CLASSIFICATION: <Unknown>
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER: US/08/706,281
20 FILING DATE: 04-SEP-1996
21 ATTORNEY/AGENT INFORMATION:
22 NAME: NO. US20030105024A1man, Kevin E
23 REGISTRATION NUMBER: 35,303
24 REFERENCE/DOCKET NUMBER: 96,886
25 TELECOMMUNICATION INFORMATION:
26 TELEPHONE: 312-913-0001
27 TELEFAX: 312-913-0002
28 TELEX: <Unknown>
29 INFORMATION FOR SEQ ID NO: 16:
30 SEQUENCE CHARACTERISTICS:
31 LENGTH: 332 amino acids
32 TYPE: amino acid
33 TOPOLOGY: linear
34 MOLECULE TYPE: protein
35 SEQUENCE DESCRIPTION: SEQ ID NO: 16:
36 US-10-288-160-16
37
38 Query Match 69.4% Score 182.5; DB 14; Length 332;
39 Best Local Similarity 73.9%; Pred. No. 8,9e-16;
40 Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;
41
42 Db 2 VNSTLGHGHTSLHFMNRSYTGQHGNNATESLGKGYPDGGCYEOLFLV 46
43 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||
44 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||
45
46 RESULT 16
47 US-10-074-754-2
48 Sequence 2, Application US/10074754
49 Publication No. US20030113263A1
50 GENERAL INFORMATION:
51 APPLICANT: Marks, Daniel L.
52 TITLE OF INVENTION: Methods and Reagents for Discovering and Using
53 TITLE OF INVENTION: Mammalian Melanocortin Receptor Antagonists to Treat
54 TITLE OF INVENTION: Cachexia
55 FILE REFERENCE: 96-886
56 CURRENT APPLICATION NUMBER: US/10/074,754
57 CURRENT FILING DATE: 2002-02-13
58 NUMBER OF SEQ ID NOS: 10
59 SOFTWARE: PatentIn Ver. 2.0
60 SEQ ID NO 2
61 LENGTH: 332
62 TYPE: PRT
63 ORGANISM: Homo sapiens
64 US-10-074-754-2
65
66 Query Match 69.4% Score 182.5; DB 14; Length 332;
67 Best Local Similarity 73.9%; Pred. No. 8,9e-16;
68 Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;
69
70 1 MNSTLGHGHTSLHFMNRSYTGQHGNNATESLGKGYPDGGCYEOLFLV 46
71 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||
72 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||
73

```

Db 2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEULFV 46

RESULT 17

US-10-373-355-2

Sequence 2, Application US/10373355

Publication No. US20030166009A1

GENERAL INFORMATION:

APPLICANT: Macneil, Douglas J.

APPLICANT: Weinberg, David H.

APPLICANT: Van der Ploeg, Leonardus H. T.

TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN

TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY

FILE REFERENCE: 20190P

CURRENT APPLICATION NUMBER: US/10/373,355

CURRENT FILING DATE: 2003-02-25

PRIOR APPLICATION NUMBER: US/09/831,206

PRIOR FILING DATE: 2001-06-28

PRIOR APPLICATION NUMBER: PCT/US99/25767

PRIOR FILING DATE: 1999-11-05

PRIOR APPLICATION NUMBER: 60/107,721

PRIOR FILING DATE: 1998-11-09

NUMBER OF SEQ ID NOS: 6

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 332

TYPE: PRT

ORGANISM: rhesus monkey (Macaca mulatta)

US-10-373-355-2

Query Match 67.9%; Score 178.5; DB 14; Length 332;

Best Local Similarity 71.7%; Pred. No. 3e-15;

Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Db 1 MNSTLQHGHTSLHFMNRSTYGHGNATESLGGKGYPDGCGYEQULFV 46

2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEULFV 46

RESULT 18

US-09-910-180-2

Sequence 2, Application US/09910180

Publication No. US20030082678A1

GENERAL INFORMATION:

APPLICANT: Heiung, Hansen

APPLICANT: Smith, Dennis

APPLICANT: Zhang, Xing-Yue

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPE

FILE REFERENCE: P-12621

CURRENT APPLICATION NUMBER: US/09/910,180

CURRENT FILING DATE: 2002-04-11

NUMBER OF SEQ ID NOS: 22

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 332

TYPE: PRT

ORGANISM: Bovine

US-09-910-180-2

Query Match 67.3%; Score 177; DB 10; Length 332;

Best Local Similarity 71.7%; Pred. No. 4.8e-15;

Matches 33; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

Db 1 MNSTLQHGHTSLHFMNRSTYGHGNATESLGGKGYPDGCGYEQULFV 46

1 MNSTPLGHTSLHSMNRSAHGMPNTVSESLAKGYSDGCGYEQULFV 46

RESULT 19

US-10-207-330-6

Sequence 6, Application US/10207330

Publication No. US20030018169A1

GENERAL INFORMATION:

APPLICANT: Kochendoerfer, Gerd G

APPLICANT: Hunter, Christie L

APPLICANT: Kent, Stephen B.H.

APPLICANT: Botti, Paolo

APPLICANT: Gryphon Sciences

TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis

TITLE OF INVENTION: of Membrane Polypeptides

FILE REFERENCE: grfn-028/02WO

CURRENT APPLICATION NUMBER: US/10/207,330

CURRENT FILING DATE: 2002-07-30

PRIOR APPLICATION NUMBER: US/09/384,302

PRIOR FILING DATE: 1999-08-26

PRIOR APPLICATION NUMBER: 09/144,964

PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: 09/263,971

PRIOR FILING DATE: 1999-03-05

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 6

LENGTH: 332

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-207-330-6

Query Match 66.3%; Score 174.5; DB 14; Length 332;

Best Local Similarity 71.7%; Pred. No. 1e-14;

Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Db 1 MNSTLQHGHTSLHFMNRSTYGHGNATESLGGKGYPDGCGYEQULFV 46

2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEULFV 46

RESULT 20

US-09-910-180-5

Sequence 5, Application US/09910180

Publication No. US20030082678A1

GENERAL INFORMATION:

APPLICANT: Heiung, Hansen

APPLICANT: Smith, Dennis

APPLICANT: Zhang, Xing-Yue

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPE

FILE REFERENCE: P-12621

CURRENT APPLICATION NUMBER: US/09/910,180

CURRENT FILING DATE: 2002-04-11

NUMBER OF SEQ ID NOS: 22

SOFTWARE: PatentIn version 3.1

SEQ ID NO 5

LENGTH: 43

TYPE: PRT

ORGANISM: Bovine

US-09-910-180-5

Query Match 62.0%; Score 163; DB 10; Length 43;

Best Local Similarity 69.8%; Pred. No. 3.8e-14;

Matches 30; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

Db 1 MNSTLQHGHTSLHFMNRSTYGHGNATESLGGKGYPDGCGYEQULFV 43

1 MNSTPLGHTSLHSMNRSAHGMPNTVSESLAKGYSDGCGYEQULFV 43

RESULT 21

US-10-207-330-7

Sequence 7, Application US/10207330

Publication No. US20030018169A1

GENERAL INFORMATION:

APPLICANT: Kochendoerfer, Gerd G

APPLICANT: Hunter, Christie L

APPLICANT: Kent, Stephen B.H.

APPLICANT: Botti, Paolo

APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: gtfh-028/02MO
CURRENT APPLICATION NUMBER: US/10/207,330
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US/09/384,302
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 7
LENGTH: 39
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-207-330-7

Query Match
Best Local Similarity 56.5%; Score 148.5; DB 14; Length 39;
Matches 28; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 1 NSTLQHGMTSLHFWRNSTYGGHGNATSLGKGYPDGC 39
Db 2 VNST-HRGMHTSLHLMNRSSYRLHNSNSELGKGYSDGC 39

RESULT 22
US-10-225-567A-1061
Sequence 1061, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1061
LENGTH: 17
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1061

Query Match
Best Local Similarity 31.2%; Score 82; DB 14; Length 17;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 24 HGNATSLGKGYPDGC 40
Db 1 HSNASESLGKGYSDGC 17

RESULT 23
US-10-225-567A-1064
Sequence 1064, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1064
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1064

Query Match
Best Local Similarity 29.8%; Score 78.5; DB 14; Length 20;
Matches 15; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

QY 2 NSTLQHGMTSLHFWRNSTY 21
Db 1 NST-HRGMHTSLHLMNRSSY 19

RESULT 24
US-10-424-599-205902
Sequence 205902, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J
APPLICANT: Kovacic, David K
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 205902
LENGTH: 212
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_27958C.1.pep
US-10-424-599-205902

Query Match
Best Local Similarity 24.3%; Score 64; DB 15; Length 212;
Matches 15; Conservative 4; Mismatches 13; Indels 10; Gaps 1;

QY 6 QHGMTSLHFWRNSTYGOH-----GNATSLGKGYPD 37
Db 128 QCGMHSQGLGWSGSGQLHMLQSEATNVGGMATIGTGGGFPD 169

RESULT 25
US-10-289-762-556
Sequence 556, Application US/10289762
Publication No. US20040006218A1
GENERAL INFORMATION:
APPLICANT: Griffiths, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/10/289,762
CURRENT FILING DATE: 2003-03-27
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 556
LENGTH: 237
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
US-10-289-762-556

Query Match 23.6%; Score 62; DB 15; Length 237;
Best Local Similarity 44.1%; Pred. No. 6.9;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLQGHMTSLHFWNRSTYGOHGNATESLGKGY 35
Db 32 NTILSLGMR---HFWNRS-----LQIQLSGGY 55

RESULT 26

US-10-282-122A-54775
; Sequence 54775, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykend, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; CURRENT INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EUTRA, 034A
; CURRENT APPLICATION NUMBER: US/10/282.122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54775
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-10-282-122A-54775

Query Match 23.6%; Score 62; DB 15; Length 237;
Best Local Similarity 44.1%; Pred. No. 6.9;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLQGHMTSLHFWNRSTYGOHGNATESLGKGY 35
Db 32 NTILSLGMR---HFWNRS-----LQIQLSGGY 55

RESULT 27

US-08-424-550B-324
; Sequence 324, Application US/08424550B
; Publication No. US20020119447A1
; GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAMSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARI
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAMMAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/APeD
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:
; CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKY, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 324:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-424-550B-324

Query Match 23.4%; Score 61.5; DB 8; Length 51;
Best Local Similarity 42.9%; Pred. No. 1.5;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

Qy 8 GHTSLHFWNRSTYGOHGNATESLGKYP---DG--GCTEQL 44
Db 10 GLH-SLHGMT-GAFGRFGD-----GGGYPTLDDVSGCSDQL 45

RESULT 28
US-09-880-748-455
; Sequence 455, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 455
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-455

Query Match 22.6%; Score 59.5; DB 10; Length 249;
Best Local Similarity 46.7%; Pred. No. 16;
Matches 14; Conservative 0; Mismatches 11; Indels 5; Gaps 1;

Qy 10 HTSLHPNRSYTGQHGNAATESLGKYPDGG 39
Db 107 HTPLHFWGRGTM-----VTVSSGGGGGGGG 131

RESULT 29
US-10-293-418-455
Sequence 455, Application US/10293418
Publication No. US2003022396A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: P52352
CURRENT APPLICATION NUMBER: US/10/293,418
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO: 455
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-293-418-455

Query Match 22.6%; Score 59.5; DB 14; Length 249;
Best Local Similarity 46.7%; Pred. No. 16;
Matches 14; Conservative 0; Mismatches 11; Indels 5; Gaps 1;

Qy 10 HTSLHPNRSYTGQHGNAATESLGKYPDGG 39
Db 107 HTPLHFWGRGTM-----VTVSSGGGGGGGG 131

RESULT 30
US-10-425-115-224155
Sequence 224155, Application US/10425115
Publication No. US2004021272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongmei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326
SEQ ID NO: 224155
LENGTH: 91
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1) (91)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: clone ID: MFT4577_136017C.1.pep
US-10-425-115-224155

Query Match 22.1%; Score 58; DB 17; Length 91;
Best Local Similarity 54.5%; Pred. No. 8.2;
Matches 12; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 18 RSTYGOHGNAATESLGKYPDGG 39
Db 49 RTETGKQGPATESXPKGAPNCG 70

RESULT 31
US-10-360-849A-36
Sequence 36, Application US/10360849A
Publication No. US20030220249A1
GENERAL INFORMATION:
APPLICANT: Discovery Genomics, Inc.
APPLICANT: Hackert, Perry
APPLICANT: Naevevicus, Aldas
APPLICANT: Essener, Jeffrey
APPLICANT: Clark, Karl
APPLICANT: Larson, Jon
APPLICANT: Ekker, Stephen
APPLICANT: Roberg-Perez, Sharon
APPLICANT: Wadman, Shannon
TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,
FILE REFERENCE: 3021.05US02
CURRENT APPLICATION NUMBER: US/10/360,849A
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: US 60/354,978
PRIOR FILING DATE: 2002-02-07
NUMBER OF SEQ ID NOS: 72
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 36
LENGTH: 469
TYPE: PRT
ORGANISM: homo sapiens
US-10-360-849A-36

Query Match 22.1%; Score 58; DB 14; Length 469;
Best Local Similarity 35.0%; Pred. No. 50;
Matches 14; Conservative 7; Mismatches 17; Indels 2; Gaps 2;

Qy 7 HGMTSLHPNRSYTG-QHGNAATESLGKYPDGGCYEOLF 45
Db 64 HG-HTHESIWHGRTDHDHGHSHEDLHGHSHGYSHESLY 102

RESULT 32
US-09-862-027-30
Sequence 30, Application US/09862027
Patent No. US20020142428A1
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
TITLE OF INVENTION: No. US20020142428A1 Kinases and Uses Thereof
FILE REFERENCE: 35800/234862
CURRENT APPLICATION NUMBER: US/09/862,027
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: US 09/345,473
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 82

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 656
TYPE: PRT
ORGANISM: Mus musculus
US-09-862-027-30

Query Match 22.1%; Score 58; DB 9; Length 656;
Best Local Similarity 47.6%; Pred. No. 72;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGGHGNATSLKGYGYP 36
|||
Db 460 WNRGLYNQHGFGTGTGVWYP 480

RESULT 33

US-09-922-683-6
Sequence 6, Application US/09922683
Publication No. US20020192793A1
GENERAL INFORMATION:

APPLICANT: DECKER, Heinrich
TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
GLA.O AND THEIR USE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/922,683
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/194,905
FILING DATE: 1999-12-01

APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 181 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-922-683-6

Query Match 21.7%; Score 57; DB 9; Length 181;
Best Local Similarity 37.5%; Pred. No. 24;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLQHGHTSLHFWNRSTYGO--HGNATES 30
:::|::|::|
Db 104 LDAALRHGVRTLVHSTDEVYGSPLPHGAAS 135

RESULT 34

US-09-922-683-11
Sequence 11, Application US/09922683
Publication No. US20020192793A1
GENERAL INFORMATION:

APPLICANT: DECKER, Heinrich
TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
GLA.O AND THEIR USE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/922,683
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/194,905
FILING DATE: 1999-12-01

APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5399
TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-922-683-11

Query Match 21.7%; Score 57; DB 9; Length 325;
Best Local Similarity 37.5%; Pred. No. 45;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLQHGHTSLHFWNRSTYGO--HGNATES 30
:::|::|::|
Db 111 LDAALRHGVRTLVHSTDEVYGSPLPHGAAS 142

RESULT 35
US-10-425-115-326310
Sequence 326310, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 326310

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; LENGTH: 264
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_60666C.1.pep
US-10-425-115-326310

Query Match
Best Local Similarity 21.5%; Score 56.5; DB 17; Length 264;
Matches 14; Conservative 2; Mismatches 6; Indels 11; Gaps 2;

OY 16 WNRSTYGOHGN-----ATESLKGYPDGG 39
Db 71 WNR--HGIGHRVLRHLHRVATVRRCGCPDGG 101

RESULT 36
US-10-369-493-13988
; Sequence 13988, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiandeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 13988
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-13988

Query Match
Best Local Similarity 21.5%; Score 56.5; DB 14; Length 1256;
Matches 14; Conservative 5; Mismatches 9; Indels 15; Gaps 2;

OY 10 HTSLHFMNRSTY-----GQHGNTSLKGG-----YPD 37
Db 531 YLAFYFWLRQTYGAHGVTHVGKHGHLFWLPGKGVGLSENCPD 573

RESULT 37
US-10-437-963-123794
; Sequence 123794, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 123794
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_26594C.1.pep
US-10-437-963-123794

Query Match
Best Local Similarity 21.3%; Score 56; DB 16; Length 285;
Matches 12; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

OY 1 MNSTLQHGHTSLHFMNRSTYGOHGNATESL 31
Db 159 VNEAMEGMRGSRAPMWHRTNQGNSGASL 189

RESULT 38
US-10-421-654-42
; Sequence 42, Application US/10421654
; Publication No. US20040005604A1
; GENERAL INFORMATION:
; APPLICANT: Gramatikova, Svetlana
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Lam, David E.
; APPLICANT: Barton, Nelson R.
; TITLE OF INVENTION: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND
; FILE REFERENCE: 09010-094001
; CURRENT APPLICATION NUMBER: US/10/421,654
; CURRENT FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US 60/374,313
; PRIOR FILING DATE: 2002-04-19
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-421-654-42

Query Match
Best Local Similarity 21.3%; Score 56; DB 15; Length 472;
Matches 13; Conservative 5; Mismatches 15; Indels 4; Gaps 1;

OY 7 HGMHTSLHFMNRSTYGOHGNATESLG---KGYPDGG 39
Db 122 HSLGTLAEINAAKYGLHGETFNAYGAASLKGIPDGG 158

RESULT 39
US-10-421-654-24
; Sequence 24, Application US/10421654
; Publication No. US20040005604A1
; GENERAL INFORMATION:
; APPLICANT: Gramatikova, Svetlana
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Lam, David E.
; APPLICANT: Barton, Nelson R.
; TITLE OF INVENTION: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND
; FILE REFERENCE: 09010-094001
; CURRENT APPLICATION NUMBER: US/10/421,654
; CURRENT FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US 60/374,313
; PRIOR FILING DATE: 2002-04-19
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-421-654-24
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:42:52 ; Search time 25.9615 Seconds
(without alignments)
68.971 Million cell updates/sec

Title: US-09-884-211b-4_COPY_98_124
Perfect score: 131
Sequence: 1 GSEITVITLNSTDTDAQSFTVINDV 27

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	130	99.2	293	4	US-09-384-302A-8
2	130	99.2	332	1	US-08-671-525B-8
3	130	99.2	332	1	US-08-672-109B-8
4	130	99.2	332	2	US-08-842-045-8
5	130	99.2	332	2	US-08-842-238-8
6	130	99.2	332	2	US-08-662-560-2
7	130	99.2	332	2	US-08-780-749A-2
8	130	99.2	332	2	US-08-780-749A-6
9	130	99.2	332	3	US-08-629-335B-8
10	130	99.2	332	3	US-08-870-511-2
11	130	99.2	332	3	US-08-870-511-6
12	130	99.2	332	3	US-08-870-511-8
13	130	99.2	332	4	US-09-384-302A-6
14	130	99.2	332	4	US-09-384-302A-9
15	127	96.9	332	4	US-09-831-206-2
16	125	95.4	332	3	US-08-706-281A-16
17	125	95.4	332	3	US-09-097-231-16
18	125	95.4	332	3	US-09-353-099-16
19	124	94.7	332	3	US-08-870-511-12
20	124	94.7	332	3	US-08-870-511-10
21	51	38.9	607	4	US-09-248-796A-17281
22	48	36.6	160	4	US-09-248-796A-28148
23	45	34.7	675	3	US-08-947-965-76
24	45	34.4	321	3	US-09-171-461-22
25	45	34.4	321	4	US-09-970-711-22
26	45	34.4	912	4	US-09-328-352-5323
27	44.5	34.0	325	4	US-08-387-805-16

28	44.5	34.0	325	4	US-09-831-228-2	Sequence 2, Appli
29	44.5	34.0	386	4	US-09-270-767-46702	Sequence 46702, A
30	44.5	33.6	69	4	US-09-370-838-76	Sequence 76, Appl
31	44	33.6	69	4	US-09-854-133-76	Sequence 76, Appl
32	43.5	33.2	146	4	US-09-270-767-36607	Sequence 36607, A
33	43.5	33.2	146	4	US-09-270-767-51824	Sequence 51824, A
34	43.5	33.2	325	1	US-08-671-525B-10	Sequence 10, Appl
35	43.5	33.2	325	1	US-08-672-109B-10	Sequence 10, Appl
36	43.5	33.2	325	2	US-08-842-045-10	Sequence 10, Appl
37	43.5	33.2	325	2	US-08-842-238-10	Sequence 10, Appl
38	43.5	33.2	325	3	US-08-706-281A-18	Sequence 18, Appl
39	43.5	33.2	325	3	US-08-629-335B-10	Sequence 10, Appl
40	43.5	33.2	325	3	US-09-097-231-18	Sequence 18, Appl
41	43.5	33.2	325	4	US-09-353-099-18	Sequence 18, Appl
42	43.5	33.2	535	4	US-09-248-796A-24199	Sequence 24199, A
43	43	32.8	103	4	US-09-134-000C-5342	Sequence 5342, Ap
44	43	32.8	151	1	US-08-253-155A-44	Sequence 44, Appl
45	43	32.8	215	2	US-08-741-327E-13	Sequence 13, Appl

ALIGNMENTS

```
RESULT 1
US-09-384-302A-8
; Sequence 8, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; TITLE OF INVENTION: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; FILE REFERENCES: grfn-028/02MO
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: US/09/384,302A
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 8
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-8
Query Match          99.2%; Score 130; DB 4; Length 293;
Best local similarity 96.3%; Pred. No. 2.6e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFTVINDV 27
Db 59 GSEITVITLNSTDTDAQSFTVINDV 85

RESULT 2
US-08-671-525B-8
; Sequence 8, Application US/08671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gamatz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
```

CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,525B
FILING DATE: June 27, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-671-525B-8

Query Match 99.2%; Score 130; DB 1; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNIDNV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNIDNV 124

RESULT 3
US-08-672-109B-8
Sequence 8, Application US/08672109B
Patent No. 5710265
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/672,109B
FILING DATE: June 27, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-672-109B-8

Query Match 99.2%; Score 130; DB 1; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNIDNV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNIDNV 124

RESULT 4
US-08-842-045-8
Sequence 8, Application US/08842045
Patent No. 5817787
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,045
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-842-045-8

Query Match 99.2%; Score 130; DB 2; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNIDNV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNIDNV 124

RESULT 5
US-08-842-238-8
Sequence 8, Application US/08842238
Patent No. 5869257
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.


```

1 APPLICANT: Lee, Frank
2 APPLICANT: Huszar, Dennis
3 APPLICANT: Gu, Wei
4 TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
5 TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
6 NUMBER OF SEQUENCES: 10
7 CORRESPONDENCE ADDRESS:
8 ADDRESSEE: Pennie & Edmonds LLP
9 STREET: 1155 Avenue of the Americas
10 CITY: New York
11 STATE: New York
12 COUNTRY: USA
13 ZIP: 10036/2711
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Diskette
16 COMPUTER: IBM Compatible
17 OPERATING SYSTEM: DOS
18 SOFTWARE: FastSeq Version 2.0
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/08/780,749A
21 FILING DATE: 08-JAN-1997
22 CLASSIFICATION: 800
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Laura A. Coruzzi
25 REGISTRATION NUMBER: 30,742
26 REFERENCE/DOCKET NUMBER: 7853-064
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: (212) 790-9090
29 TELEFAX: (212) 869-8864/9741
30 TELEX: 66141 PENNIE
31 INFORMATION FOR SEQ ID NO. 2:
32 SEQUENCE CHARACTERISTICS:
33 LENGTH: 332 amino acids
34 TYPE: amino acid
35 STRANDEDNESS:
36 TOPOLOGY: unknown
37 MOLECULE TYPE: peptide
38 US-08-780-749A-2
39
40 Query Match 99.2%; Score 130; DB 2; Length 332;
41 Best Local Similarity 96.3%; Pred. No. 3.le-12;
42 Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0
43
44 1 GSEITVITLNLSTDTDAOSFTVNIIDNV 27
45 |||||:|||||:|||||:|||||:|||||
46 98 GSEITVITLNLSTDTDAOSFTVNIIDNV 124

```

RESULT 8
US-08-780-749A-6
Sequence 6, Application US/08780749A
Patent No. 5932779
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/780,749A
FILING DATE: 08-JAN-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Laura A. Coruzzi
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 863-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-780-749A-6

Query Match 99.2%; Score 130; DB 2; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTPDAQSFVNIDNV 27
|||||:|||||:|||||:|||||:|||||
Db 98 GSEITVITLNSDTPDAQSFVNIDNV 124

RESULT 9
US-08-629-335B-8
Sequence 8, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/629,335B
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTPDAQSFVNIDNV 27
|||||:|||||:|||||:|||||:|||||
Db 98 GSEITVITLNSDTPDAQSFVNIDNV 124

RESULT 10
US-08-870-511-2
Sequence 2, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
TITLE OF INVENTION: REGULATION OF BODY WEIGHT
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTPDAQSFVNIDNV 27
|||||:|||||:|||||:|||||:|||||
Db 98 GSEITVITLNSDTPDAQSFVNIDNV 124

RESULT 11
US-08-870-511-6
Sequence 6, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
TITLE OF INVENTION: REGULATION OF BODY WEIGHT
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511

; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-6

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 12
US-08-870-511-8
; Sequence 8, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870.511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-8

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 13
US-09-384-302A-6
; Sequence 6, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; FILE REFERENCE: gfrn-028/02WO
; CURRENT APPLICATION NUMBER: US/09/384.302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144.964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263.971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-6

Query Match 99.2%; Score 130; DB 4; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 14
US-09-384-302A-9
; Sequence 9, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; FILE REFERENCE: gfrn-028/02WO
; CURRENT APPLICATION NUMBER: US/09/384.302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144.964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263.971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 99.2%; Score 130; DB 4; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 15
US-09-831-206-2
; Sequence 2, Application US/09831206
; Patent No. 6573070
; GENERAL INFORMATION:
; APPLICANT: Macneil, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/09/831.206
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107.721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT

ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

Query Match 96.9%; Score 127; DB 4; Length 332;
Best Local Similarity 96.3%; Pred. No. 9.1e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 16
US-08-706-281A-16
Sequence 16, Application US/08706281A
Patent No. 6100048
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesterton, Robert A
APPLICANT: Lu, Dongxi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706.281A
FILING DATE: 04-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6100048nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-706-281A-16

Query Match 95.4%; Score 125; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 1.9e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 17
US-09-097-231-16
Sequence 16, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:

APPLICANT: Cone, Roger D

Chen, Wenbiao

Low, Malcolm J

TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESSES:

ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff

STREET: 300 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/097,231

FILING DATE: 12-Jun-1998

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: No. 6278038nan, Kevin E

REGISTRATION NUMBER: 35,303

REFERENCE/DOCKET NUMBER: 96,886-C

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-913-0001

TELEFAX: 312-913-0002

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 332 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 16:

Query Match 95.4%; Score 125; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 1.9e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 18
US-09-353-099-16
Sequence 16, Application US/09353099
Patent No. 6476187
GENERAL INFORMATION:

APPLICANT: Cone, Roger D

Fan, Wei

Boston, Bruce A

Kesterton, Robert A

Lu, Dongxi

Chen, Wenbiao

TITLE OF INVENTION: Methods and Reagents for Discovering and

Using Mammalian Melanocortin Receptor Agonists and Antagonists

TO Modulate Feeding Behavior in Animals

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESSES:

ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff

STREET: 300 South Wacker Drive

CITY: Chicago

STATE: IL

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/353,099
  FILING DATE: 14-Sep-1999
  CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: 08/706,281
    FILING DATE: 04-SEP-1996
  ATTORNEY/AGENT INFORMATION:
    NAME: No. 6476187nan, Kevin E
    REGISTRATION NUMBER: 35,303
    REFERENCE/DOCKET NUMBER: 96,886
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: 312-913-0001
      TELEFAX: 312-913-0002
      TELEX: <Unknown>
  INFORMATION FOR SEQ ID NO: 16:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 332 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
    MOLECULE TYPE: Protein
    SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-353-099-16

Query Match      95.4%; Score 125; DB 4; Length 332;
Best Local Similarity 92.6%; Pred. No. 1,9e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
Db 98 GSEITITLNLRTDQSFVNIDNV 124

RESULT 19
US-08-870-511-10
; Sequence 10, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match      94.7%; Score 124; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 2,7e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
Db 98 GSEITITLNLSTDTDAQSFVNIDNV 124

RESULT 20
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
```

```
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match      94.7%; Score 124; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 2,7e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
Db 98 GSEITITLNLSTDTDAQSFVNIDNV 124

RESULT 21
US-09-248-796A-17281
; Sequence 17281, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 17281
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-17281

Query Match      38.9%; Score 51; DB 4; Length 607;
Best Local Similarity 40.7%; Pred. No. 14;
Matches 11; Conservative 7; Mismatches 9; Indels 0; Gaps 0;

Oy 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
Db 44 GDDITPTSLITTDSSSTATSTIDV 70

RESULT 22
US-09-248-796A-28148
; Sequence 28148, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 28148
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-28148
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RESULT 27
US-08-387-805-16
Sequence 16, Application US/08387805
Patent No. 6448032
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Human Melanocyte stimulating hormone receptor
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,805
FILING DATE: 21-FEB-95
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/DK93/00273
FILING DATE: 20-AUG-93
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 1046/92
FILING DATE: 21-AUG-92
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 1118/92
FILING DATE: 10-SEP-92
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 0528/93
FILING DATE: 05-MAY-93
ATTORNEY/AGENT INFORMATION:
NAME: Cimbala, Michele A.
REGISTRATION NUMBER: 33,851
REFERENCE/DOCKET NUMBER: 1102.0160000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-387-805-16

Query Match 34.0%; Score 44.5; DB 4; Length 325;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 13; Conservative 3; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
Db 92 ETITVILNKHVLVADAFVRHIDNV 117

RESULT 28
US-09-831-228-2
Sequence 2, Application US/09831228
Patent No. 6645738
GENERAL INFORMATION:
APPLICANT: Fong, Tung M.
APPLICANT: Van der Ploeg, Leonardus H. T.
APPLICANT: Huang, Ruey-Ruey C.
TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
TITLE OF INVENTION: 5 RECEPTOR PROTEIN FROM RHESUS MONKEY
FILE REFERENCE: 20191P

CURRENT APPLICATION NUMBER: US/09/831,228
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: PCT/US99/25755
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: 60/107,632
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 325
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-228-2

Query Match 34.0%; Score 44.5; DB 4; Length 325;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 13; Conservative 3; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
Db 92 ETITVILNKHVLVADAFVRHIDNV 117

RESULT 29
US-09-270-767-46702
Sequence 46702, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 46702
LENGTH: 386
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-46702

Query Match 34.0%; Score 44.5; DB 4; Length 386;
Best Local Similarity 42.9%; Pred. No. 78;
Matches 12; Conservative 4; Mismatches 11; Indels 1; Gaps 1;

Qy 1 GSEITVITLNSDPTDA-QSFVNIDNV 27
Db 126 GQETITVVEATQDIVLHSHININISV 153

RESULT 30
US-09-370-838-76
Sequence 76, Application US/09370838
Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Womach, Rodoh
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
NUMBER OF SEQ ID NOS: 289
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 76
LENGTH: 69
TYPE: PRT
ORGANISM: Homo sapien
US-09-370-838-76

Query Match 33.6%; Score 44; DB 4; Length 69;
Best Local Similarity 42.9%; Pred. No. 10;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 3 ETVITLINSDDTDQSFVN 23
Db 48 EGLQVTLQGTTFESFAQKRVN 68

RESULT 31
US-09-854-133-76

Sequence 76, Application US/09854133
Patent No. 6759508

GENERAL INFORMATION:
APPLICANT: Lodes, Michael J.
APPLICANT: Mohamach, Raodoh
APPLICANT: Henderson, Robert A.
APPLICANT: Benson, Darin R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
FILE REFERENCE: 210121.475C10
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 735
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 76
LENGTH: 69
TYPE: PRT
ORGANISM: Homo sapien
US-09-854-133-76

Query Match 33.6%; Score 44; DB 4; Length 69;
Best Local Similarity 42.9%; Pred. No. 10;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 3 ETVITLINSDDTDQSFVN 23
Db 48 EGLQVTLQGTTFESFAQKRVN 68

RESULT 32
US-09-270-767-36607

Sequence 36607, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36607
LENGTH: 146
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-36607

Query Match 33.2%; Score 43.5; DB 4; Length 146;
Best Local Similarity 40.0%; Pred. No. 32;
Matches 10; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

Qy 2 SETVITLINSDDTDQSFVNID 25
Db 94 SQTIGVPSLBSGDTLDSPLTMDVD 118

RESULT 33
US-09-270-767-51824
Sequence 51824, Application US/09270767
Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 51824
LENGTH: 146
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-51824

Query Match 33.2%; Score 43.5; DB 4; Length 146;
Best Local Similarity 40.0%; Pred. No. 32;
Matches 10; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

Qy 2 SETVITLINSDDTDQSFVNID 25
Db 94 SQTIGVPSLBSGDTLDSPLTMDVD 118

RESULT 34
US-08-671-525B-10

Sequence 10, Application US/08671525B
Patent No. 5703220

GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gant, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,525B
FILING DATE: June 27, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-671-525B-10

Query Match 33.2%; Score 43.5; DB 1; Length 325;
Best Local Similarity 46.2%; Pred. No. 69;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETVITLINSDDTDQSFVNIDV 27
Db 92 ETVITLINSKHLVIAIDTFVRHIDNV 117

RESULT 35

US-08-672-109B-10
; Sequence 10, Application US/08672109B
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672,109B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-672-109B-10

Query Match 33.2%; Score 43.5; DB 1; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITVILNKHVYADTFVRHIDNV 117

RESULT 36
US-08-842-045-10
; Sequence 10, Application US/08842045
; Patent No. 5617787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,045
; FILING DATE:
; CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-045-10

Query Match 33.2%; Score 43.5; DB 2; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITVILNKHVYADTFVRHIDNV 117

RESULT 37
US-08-842-238-10
; Sequence 10, Application US/08842238
; Patent No. 569257
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,238
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-238-10

RESULT 38
US-08-706-281A-18
Sequence 18, Application US/08706281A
Patent No. 6100048
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesterton, Robert A
APPLICANT: Lu, Dongxi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281A
FILING DATE: 04-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6100048nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-706-281A-18
Query Match 33.2%; Score 43.5; DB 3; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;
QY 3 ETVITLLNSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITLLNKHVLVADTFVHRIDNV 117
RESULT 39
US-08-629-335B-10
Sequence 10, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gancz, Iva
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-10
Query Match 33.2%; Score 43.5; DB 3; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;
QY 3 ETVITLLNSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITLLNKHVLVADTFVHRIDNV 117
RESULT 40
US-09-097-231-18
Sequence 18, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Chen, Wenbiao
APPLICANT: Low, Malcolm J
TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 18:

US-09-097-231-18

Query Match 33.2%; Score 43.5; DB 3; Length 325;

Best Local Similarity 46.2%; Pred. No. 89;

Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVTTLNSTD-TDAQSFVNIDNV 27
 ||:|||||:|:|||||
 Db 92 ETVTIYLNNKHLVYADTFVRHIDNV 117

Search completed: November 17, 2004, 14:59:49
 Job time : 26.9615 secs

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Result No.	Score	Query Match	Length	DB	ID	Description
1	131	100.0	332	10	US-09-884-211A-3	Sequence 3, Appl
2	131	100.0	332	10	US-09-884-211A-4	Sequence 4, Appl
3	130	99.2	293	14	US-10-207-330-8	Sequence 8, Appl
4	130	99.2	332	10	US-09-876-252-74	Sequence 74, Appl
5	130	99.2	332	10	US-09-876-252-16	Sequence 136, App
6	130	99.2	332	14	US-10-226-594-6	Sequence 4, Appl
7	130	99.2	332	14	US-10-207-330-6	Sequence 6, Appl
8	130	99.2	332	14	US-10-207-330-9	Sequence 9, Appl
9	130	99.2	332	14	US-10-125-567A-158	Sequence 158, Appl
10	130	99.2	332	14	US-10-318-661-27	Sequence 27, Appl
11	130	99.2	332	14	US-10-413-752-2	Sequence 2, Appl
12	130	99.2	332	14	US-10-417-820A-74	Sequence 74, Appl
13	130	99.2	332	14	US-10-417-820A-136	Sequence 136, Appl

14	130	99.2	332	16	US-10-723-955-74	Sequence 136, Appl
15	130	99.2	332	16	US-10-723-955-136	Sequence 14, Appl
16	127	96.9	332	14	US-10-773-355-2	Sequence 2
17	126	96.2	332	14	US-09-910-180-2	Sequence 2, Appl1
18	125	95.4	332	10	US-10-288-160-16	Sequence 16, Appl
19	125	95.4	332	14	US-10-074-754-2	Sequence 2, Appl1
20	120	91.6	332	14	US-10-413-755-6	Sequence 6, Appl1
21	82	62.6	16	14	US-10-925-567-A-1063	Sequence 1063, Appl
22	-75	57.3	19	10	US-09-910-180-9	Sequence 9, Appl1
23	51	38.9	30	10	US-09-910-180-8	Sequence 8
24	51	38.9	84	15	US-10-424-599-1174745	Sequence 174745
25	50	38.2	295	15	US-10-282-122A-71595	Sequence 71595, A
26	50	38.2	302	17	US-10-739-930-6550	Sequence 6550, Appl
27	50	38.2	26926	9	US-09-759-5088-2	Sequence 2, Appl1
28	49	37.4	271	15	US-10-282-1122A-771197	Sequence 77197, A
29	48	36.6	1093	9	US-09-801-368-392	Sequence 392, App
30	48	36.6	1093	14	US-10-369-449-1763	Sequence 1763, App
31	47.5	36.3	100	15	US-10-282-122A-72413	Sequence 72413, A
32	47.5	36.3	1965	14	US-10-369-449-2646	Sequence 2646, App
33	47	35.9	497	15	US-10-282-122A-63533	Sequence 63533, A
34	47	35.9	497	15	US-10-282-122A-63221	Sequence 64221, A
35	46	35.1	267	14	US-10-369-493-20803	Sequence 20803, A
36	46	35.1	322	9	US-09-728-479-11	Sequence 11, Appl
37	46	35.1	353	15	US-10-633-035-8	Sequence 8, Appl1
38	45	35.1	419	9	US-09-738-626-5438	Sequence 5438, Ap
39	45	34.4	54	15	US-10-424-599-247286	Sequence 247286, A
40	45	34.4	83	17	US-10-425-115-296241	Sequence 296241, A
41	45	34.4	151	15	US-10-424-599-192480	Sequence 192480, A
42	45	34.4	186	9	US-10-156-761-10477	Sequence 10477, A
43	45	34.4	321	4	US-09-970-711-22	Sequence 22, Appl
44	45	34.4	329	17	US-10-425-115-357563	Sequence 357563, A
45	45	34.4	538	17	US-10-425-115-302944	Sequence 302944, A

ALIGNMENTS

RESULT 1
US-09-884-211A-3

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: Sequence 3 Application US/09864211A
: Publication No. US20030032791A1
: GENERAL INFORMATION:
: APPLICANT: Alan et. al.
: TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
: TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
: TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
: FILE REFERENCE: PC10743A
: CURRENT APPLICATION NUMBER: US/09/864,211A
: CURRENT FILING DATE: 2000-06-26
: PRIOR APPLICATION NUMBER: 60/213,909
: PRIOR FILING DATE: 2000-06-26
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 3
: LENGTH: 332
: TYPE: PR1
: ORGANISM: Feline MC4R protein Sequence
: US-09-864-211A-3

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Query Match          100.0%; Score 131; DB 10; length 332;
Best Local Similarity 100.0%; Prod. No. 3,4e-11;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0
OY 1 GSEIVIVITLNSTDTDAQSFTVINIDNV 27
    |||||
Db 98 GSEIVIVITLNSTDTDAQSFTVINIDNV 124
    |||||

RESULT 2
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:

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; APPLICANT: Alan et, al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
; FILE REFERENCE: PC10743A
; CURRENT APPLICATION NUMBER: US/09/884,211A
; PRIOR APPLICATION NUMBER: 2000-06-26
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MC4R protein Sequence
; US-09-884-211A-4

Query Match          100.0%; Score 131; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 3,4e-11;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
DB 98 GSEITVITLNLSTDTDAQSFVNIDNV 124

RESULT 3
; Sequence 8, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botli, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: OF Membrane Polypeptides
; FILE REFERENCE: grtn-028/02WO
; CURRENT APPLICATION NUMBER: US/10/207,330
; PRIOR APPLICATION NUMBER: 2002-07-30
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-10-207-330-8

Query Match          99.2%; Score 130; DB 14; Length 293;
Best Local Similarity 96.3%; Pred. No. 4,1e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
DB 59 GSEITVITLNLSTDTDAQSFVNIDNV 85

RESULT 4
; Sequence 74, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulnsma, Karin
```

```

; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, Li-Lin
; APPLICANT: Dang, Huang T.
; APPLICANT: Chen, Kuoping
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
; FILE REFERENCE: AREN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR APPLICATION NUMBER: 2001-06-07
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,534
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 74
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; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-74

Query Match          99.2%; Score 130; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 5
US-09-876-252-136
; Sequence 136, Application US/09876252
; Publication No. US2003001818241
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulisma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W
; TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein Coupled Rec
; FILE REFERENCE: AERN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
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; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-136

Query Match          99.2%; Score 130; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 6
US-10-226-594-4
; Sequence 4, Application US/10226594
; Publication No. US20030017966A1
; GENERAL INFORMATION:
; APPLICANT: Duman, Ronald
; TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
; FILE REFERENCE: 07334-101001
; CURRENT APPLICATION NUMBER: US/10/226,594
; PRIOR FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US/09/385,763
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 60/099,104
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-226-594-4

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 7
US-10-207-330-6
; Sequence 6, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
```

```

; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bortti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: Of Membrane Polypeptides
; FILE REFERENCE: g7fn-028/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; PRIOR FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-207-330-6

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```

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 GSEITVITLNSDTDAQSFTVNIDNV 27
    |||||:|||||:|||||:|||||:|||||
Db 98 GSEITITLNSDTDAQSFTVNIDNV 124

```

```

RESULT 8
US-10-207-330-9
; Sequence 9, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bortti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: Of Membrane Polypeptides
; FILE REFERENCE: g7fn-028/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-207-330-9

```

```

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 GSEITVITLNSDTDAQSFTVNIDNV 27
    |||||:|||||:|||||:|||||:|||||
Db 98 GSEITITLNSDTDAQSFTVNIDNV 124

```

```

RESULT 9
US-10-225-567A-158
; Sequence 158, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Gienna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-158

```

```

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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```

Qy 1 GSEITVITLNSDTDAQSFTVNIDNV 27
    |||||:|||||:|||||:|||||:|||||
Db 98 GSEITITLNSDTDAQSFTVNIDNV 124

```

```

RESULT 10
US-10-318-661-27
; Sequence 27, Application US/10318661
; Publication No. US20030167476A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Bruce R.
; TITLE OF INVENTION: Selective Target Cell Activation By
; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
; TITLE OF INVENTION: Superlortly By Synthetic Ligand
; FILE REFERENCE: UCAL-049C1P2
; CURRENT APPLICATION NUMBER: US/10/318,661
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 09/341,446
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US97/05334
; PRIOR FILING DATE: 1997-03-25
; PRIOR APPLICATION NUMBER: US 08/622,348
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-318-661-27

```

```

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 GSEITVITLNSDTDAQSFTVNIDNV 27
    |||||:|||||:|||||:|||||:|||||
Db 98 GSEITITLNSDTDAQSFTVNIDNV 124

```

```

RESULT 11
US-10-413-752-2
; Sequence 2, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:

```


APPLICANT: Frank Lee
APPLICANT: Dennis Huzar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/10/413,752
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-413-752-2

Query Match 99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GSEITVITLNSTPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTPTDAQSFVNIDNV 124

RESULT 12
US-10-417-820A-74
Sequence 74, Application US/10417820A
Publication No. US20030229216A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7.US28.CON
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: US/10/417,820A
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-74

Query Match 99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GSEITVITLNSTPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTPTDAQSFVNIDNV 124

RESULT 13
US-10-417-820A-136
Sequence 136, Application US/10417820A
Publication No. US20030229216A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7.US28.CON
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: US/10/417,820A
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-136

Query Match 99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GSEITVITLNSTPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTPTDAQSFVNIDNV 124

RESULT 14
US-10-723-955-74
Sequence 74, Application US/10723955
Publication No. US20040110238A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Lin, I-Lin
APPLICANT: Liaw, Chen W.
APPLICANT: Lehman-Brulsma, Karin
APPLICANT: Lowitz, Kevin P.

APPLICANT: Hsiung, Hansen
APPLICANT: Smith, Dennis
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
FILE REFERENCE: P-12621
CURRENT APPLICATION NUMBER: US/09/910,180
CURRENT FILING DATE: 2002-04-11
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Bovine
US-09-910-180-2

Query Match
Best Local Similarity 96.2%; Score 126; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 1.9e-10;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDTDAQSFVNIDNV 27
98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 18
US-10-288-160-16
Sequence 16, Application US/10288160
Publication No. US20030105024A1
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
Fan, Wei
Boston, Bruce A
Kesterton, Robert A
Lu, Dongxi
Chen, Wendiao
TITLE OF INVENTION: Methods and Reagents for Discovering and Using Mammalian Melanocortin Receptor Agonists and Antagonists
To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boenhen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/288,160
FILING DATE: 05-NO. US20030105024A1-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281
FILING DATE: 04-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: NO. US20030105024A1, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-10-288-160-16

Query Match
Best Local Similarity 95.4%; Score 125; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-10;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDTDAQSFVNIDNV 27
98 GSEITVITLNRDTDAQSFVNIDNV 124

RESULT 19
US-10-074-754-2
Sequence 2, Application US/10074754
Publication No. US20030113263A1
GENERAL INFORMATION:
APPLICANT: Marks, Daniel L.
Cone, Roger D.
TITLE OF INVENTION: Methods and Reagents for Discovering and Using Mammalian Melanocortin Receptor Antagonists to Treat
TITLE OF INVENTION: Cachexia
FILE REFERENCE: 96-886
CURRENT APPLICATION NUMBER: US/10/074,754
CURRENT FILING DATE: 2002-02-13
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-074-754-2

Query Match
Best Local Similarity 95.4%; Score 125; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-10;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDTDAQSFVNIDNV 27
98 GSEITVITLNRDTDAQSFVNIDNV 124

RESULT 20
US-10-413-752-6
Sequence 6, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Frank Lee
Dennis Huezar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Rattus sp.
US-10-413-752-6

Query Match
Best Local Similarity 91.6%; Score 120; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 1.5e-09;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDTDAQSFVNIDNV 27
98 GSEITVITLNRDTDAQSFVNIDNV 124

RESULT 21
US-10-225-567A-1063
; Sequence 1063, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; NUMBER OF SEQ ID NOS: 2000-12-19
; SOFTWARE: Patent version 3.1
; SEQ ID NO 1063
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1063

Query Match 62.6%; Score 82; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.8e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 NSTDTDAQSFYVNI 26
Db 1 NSTDTDAQSFYVNI 16

RESULT 22
US-09-910-180-9
; Sequence 9, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
; APPLICANT: Hsiung, Hansen
; APPLICANT: Smith, Dennis
; APPLICANT: Zhang, Xing-Yue
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
; FILE REFERENCE: P-12621
; CURRENT APPLICATION NUMBER: US/09/910,180
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent version 3.1
; SEQ ID NO 9
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Bovine
US-09-910-180-9

Query Match 57.3%; Score 75; DB 10; Length 19;
Best Local Similarity 93.8%; Pred. No. 0.00025;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 12 STDTDAGSFYVNI 27
Db 1 STDTDAGSFYVNI 16

RESULT 23
US-09-910-180-8
; Sequence 8, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
; APPLICANT: Hsiung, Hansen
; APPLICANT: Smith, Dennis
; APPLICANT: Zhang, Xing-Yue
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
; FILE REFERENCE: P-12621

; CURRENT APPLICATION NUMBER: US/09/910,180
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent version 3.1
; SEQ ID NO 8
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Bovine
US-09-910-180-8

Query Match 38.9%; Score 51; DB 10; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEIVITL 11
Db 20 GSEIVITL 30

RESULT 24
US-10-424-599-174745
; Sequence 174745, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 174745
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_128814C.1.pap
US-10-424-599-174745

Query Match 38.9%; Score 51; DB 15; Length 84;
Best Local Similarity 52.4%; Pred. No. 6.2;
Matches 11; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 4 TIVTILNSTDTDAQSFYVNI 24
Db 49 TIVTILNSTDTDAQSFYVNI 69

RESULT 25
US-10-282-122A-71595
; Sequence 71595, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA_034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078

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; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-28
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71595
; LENGTH: 295
; TYPE: PRT
; ORGANISM: Staphylococcus haemolyticus
; US-10-282-122A-71595
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```
Query Match 38.2%; Score 50; DB 15; Length 295;
Best Local Similarity 43.5%; Pred. No. 41;
Matches 10; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
```

```
Oy 5 ITVTLNSTDTDAQSFYTNIDNV 27
Db 266 IVWMLCNTTKSDAQSRRLNNNDI 288
```

```
RESULT 26
; Sequence 6550, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 6550
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C4561_1.p
; US-10-739-930-6550
```

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Query Match 38.2%; Score 50; DB 17; Length 302;
Best Local Similarity 55.0%; Pred. No. 42;
Matches 11; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
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Oy 3 ETIVTTLNSTDTDAQSFYV 22
Db 185 ETIVQLNKRSDKSKSKTV 204
```

```
RESULT 27
; Sequence 759-508B-2
; Publication No. US20020182599A1
; GENERAL INFORMATION:
; APPLICANT: Fishman, Mark C.
; TITLE OF INVENTION: Methods for Diagnosing and Treating Heart Disease
```

```
; FILE REFERENCE: 00786/381002
; CURRENT APPLICATION NUMBER: US/09/759,508B
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: US 60/175,787
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 26926
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-759-508B-2
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Query Match 38.2%; Score 50; DB 9; Length 26926;
Best Local Similarity 40.0%; Pred. No. 1,1e+04;
Matches 8; Conservative 8; Mismatches 4; Indels 0; Gaps 0;
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Oy 7 ITTLNSTDTDAQSFYTNIDN 26
Db 4772 LTINDADDTDAQTYTVTVEN 4791
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```
RESULT 28
; Sequence 77197, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykand, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
```

```
; FILE REFERENCE: ELITRA-034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77197
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Vibrio cholerae
; US-10-282-122A-77197
```

```
Query Match 37.4%; Score 49; DB 15; Length 271;
```

Best Local Similarity 47.6%; Pred. No. 52;
Matches 10; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 2 SETIITLSTDPDAQSFVNIDNV 22
Db 145 SDSVVFILSSSTDKNQVEFTV 165

RESULT 29

US-09-801-368-392
; Sequence 392, Application US/09801368
; Patent No. US20020128250A1
; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Call, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
; APPLICANT: Maxon, Mary
; APPLICANT: Milne, Todd
; APPLICANT: No. US20020128250A1man, Thea
; APPLICANT: Royer, John
; APPLICANT: Salama, Sofie
; APPLICANT: Sherman, Amir
; APPLICANT: Silva, Jeff
; APPLICANT: Summers, Eric
; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
; FILE REFERENCE: 109272.147
; CURRENT APPLICATION NUMBER: US/09/801,368
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 09/487,558
; PRIOR FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: US 60/160,587
; PRIOR FILING DATE: 1999-10-20
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 392
; LENGTH: 1093
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-801-368-392

Query Match 36.6%; Score 48; DB 9; Length 1093;
Best Local Similarity 42.9%; Pred. No. 4.1e+02;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 7 ITLSTDPDAQSFVNIDNV 27
Db 297 VALNPNNDNSNSYSHNIDNV 317

RESULT 30

US-10-369-493-1763
; Sequence 1763, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1763
; LENGTH: 1093
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae

US-10-369-493-1763

Query Match 36.6%; Score 48; DB 14; Length 1093;
Best Local Similarity 42.9%; Pred. No. 4.1e+02;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 7 ITLSTDPDAQSFVNIDNV 27
Db 297 VALNPNNDNSNSYSHNIDNV 317

RESULT 31

US-10-282-122A-72413
; Sequence 72413, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72413
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-282-122A-72413

US-10-282-122A-72413

Query Match 36.3%; Score 47.5; DB 15; Length 100;
Best Local Similarity 43.5%; Pred. No. 26;
Matches 10; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Qy 6 VITLSTDPDAQSFVNIDNV 27
Db 37 MVELNEVDVQGVFTSNVADNI 59

RESULT 32

US-10-369-493-2646
; Sequence 2646, Application US/10369493

```
/ Publication No. US20030233675A1
/ GENERAL INFORMATION:
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Chen, Xianfeng
/ TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
/ FILE REFERENCE: 38-10(52052)B
/ CURRENT APPLICATION NUMBER: US/10/369,493
/ PRIOR FILING DATE: 2003-02-28
/ PRIOR APPLICATION NUMBER: US 60/360,039
/ PRIOR FILING DATE: 2002-02-21
/ NUMBER OF SEQ ID NOS: 47374
/ SEQ ID NO 2646
/ LENGTH: 1965
/ TYPE: PRT
/ ORGANISM: Synechocystis sp.
/ US-10-369-493-2646

Query Match      36.3%; Score 47.5; DB 14; Length 1965;
Best Local Similarity 42.9%; Pred. No. 1e+03;
Matches 12; Conservative 6; Mismatches 7; Indels 3; Gaps 1;

Oy      2 SETVITLINSTDIDDAQS--FTVNIDN 26
Db      1711 STGKVTILNPNDFESQSYRFTVADD 1738

RESULT 33
US-10-282-122A-63533
/ Sequence 63533, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
```

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/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 63533
/ LENGTH: 497
/ TYPE: PRT
/ ORGANISM: Mycoplasma genitalium
/ US-10-282-122A-63533

Query Match      35.9%; Score 47; DB 15; Length 497;
Best Local Similarity 36.4%; Pred. No. 2.2e+02;
Matches 8; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

Oy      2 SETVITLINSTDIDDAQSFVN 23
Db      227 SEQRIAKVINSTDESRKYAIN 248

RESULT 34
US-10-282-122A-64221
/ Sequence 64221, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 64221
/ LENGTH: 499
/ TYPE: PRT
/ ORGANISM: Mycoplasma pneumoniae
/ US-10-282-122A-64221

Query Match      35.9%; Score 47; DB 15; Length 499;
Best Local Similarity 36.4%; Pred. No. 2.2e+02;
Matches 8; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

Oy      2 SETVITLINSTDIDDAQSFVN 23
Db      229 SEQRIAKVINSTDESRKYAIN 250
```

RESULT 35
US-10-369-493-20803
; Sequence 20803, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20803
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Rhodospseudomonas palustris
US-10-369-493-20803

Query Match 35.1%; Score 46; DB 14; Length 267;
Best Local Similarity 52.9%; Pred. No. 1.4e+02;
Matches 9; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 9 LNSTDTAQSFTVNI 25
Db 93 LIRSTNTEIEGTGLND 109

RESULT 36
US-09-728-479-11
; Sequence 11, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-728-479-11

Query Match 35.1%; Score 46; DB 9; Length 322;
Best Local Similarity 41.7%; Pred. No. 1.8e+02;
Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

Qy 3 ETVITLINSSTDTAQSFTVNI 26
Db 27 EGLQVTLQGTTSFAQRVNVFON 50

RESULT 37
US-10-633-035-8
; Sequence 8, Application US/10633035
; Publication No. US20040068104A1
; GENERAL INFORMATION:

; APPLICANT: Seiei Kato
; APPLICANT: Yamaguchi Kimura
; APPLICANT: Shingo Sekine
; APPLICANT: Kouju Kamata
; TITLE OF INVENTION: HUMAN GALECTIC-9-LIKE PROTEINS AND CDNA ENCODING THESE
; FILE REFERENCE: GIN-6707C/PUS
; CURRENT APPLICATION NUMBER: US/10/633,035
; PRIOR FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: US/09/485,951
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 9-226468
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: PCT/JP98/03670
; PRIOR FILING DATE: 1998-08-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-633-035-8

Query Match 35.1%; Score 46; DB 15; Length 353;
Best Local Similarity 41.7%; Pred. No. 2e+02;
Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

Qy 3 ETVITLINSSTDTAQSFTVNI 26
Db 27 EGLQVTLQGTTSFAQRVNVFON 50

RESULT 38
US-09-738-626-5438
; Sequence 5438, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 5438
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-5438

Query Match 35.1%; Score 46; DB 9; Length 419;
Best Local Similarity 44.0%; Pred. No. 2.5e+02;
Matches 11; Conservative 6; Mismatches 6; Indels 2; Gaps 1;

Qy 2 SETIVITL--INSTDTAQSFTVNI 24
Db 99 NETVITLIDELINRTSDVTSASNTI 123

RESULT 39

```

US-10-424-599-247286
; Sequence 247286, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 247286
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_65329C.1.pep
US-10-424-599-247286

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Query Match

34.4%; Score 45; DB 15; Length 54;

Best Local Similarity 41.7%; Pred. No. 28;

Matches 10; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

OY 1 GSETIVITLNLSTDTDAQSFTVNI 24

Db 4 GSTTAMSLTQLIDTDAFLNANI 27

RESULT 40

```

US-10-425-115-296241
; Sequence 296241, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 296241
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(83)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_33247C.1.pep
US-10-425-115-296241

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Query Match

34.4%; Score 45; DB 17; Length 83;

Best Local Similarity 37.5%; Pred. No. 48;

Matches 9; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

OY 2 SETIVITLNLSTDTDAQSFTVNI 25

Db 41 NSTLITWCADMTDEBAFSPFTD 64

Search completed: November 17, 2004, 15:02:51
Job time : 53.6154 Secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:54:39 ; Search time 9.74359 Seconds
(without alignments)
181.723 Million cell updates/sec

Title: US-09-884-211b-4_COPY_187_191

Perfect score: 26
Sequence: 1 YSDST 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
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- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*
- 17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
- 19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	59	US-10-437-963-124984	Sequence 124984,
2	26	100.0	71	US-10-424-599-151456	Sequence 151456,
3	26	100.0	80	US-10-424-599-191157	Sequence 191157,
4	26	100.0	110	US-10-264-237-1509	Sequence 1509, Ap
5	26	100.0	130	US-09-738-626-4328	Sequence 4328, Ap
6	26	100.0	130	US-10-781-014-524	Sequence 524, Ap
7	26	100.0	131	US-10-767-701-31613	Sequence 31613, A
8	26	100.0	147	US-10-197-824-36	Sequence 36, Appl
9	26	100.0	163	US-10-080-170-592	Sequence 592, App
10	26	100.0	163	US-10-080-170-592	Sequence 592, App
11	26	100.0	163	US-10-468-356-592	Sequence 592, App
12	26	100.0	165	US-10-080-170-78	Sequence 78, Appl
13	26	100.0	165	US-10-080-170-78	Sequence 78, Appl

14	26	100.0	165	17	US-10-468-356-78	Sequence 78, Appl
15	26	100.0	188	15	US-10-424-599-257112	Sequence 257112,
16	26	100.0	212	26	US-10-768-093-7	Sequence 7, Appl
17	26	100.0	221	15	US-10-197-824-25	Sequence 25, Appl
18	26	100.0	279	13	US-10-059-964-60	Sequence 60, Appl
19	26	100.0	279	14	US-10-314-639-60	Sequence 60, Appl
20	26	100.0	279	14	US-10-097-111-298	Sequence 298, App
21	26	100.0	282	9	US-09-738-626-5015	Sequence 5015, Ap
22	26	100.0	321	15	US-10-424-599-156013	Sequence 156013,
23	26	100.0	330	15	US-10-264-237-2503	Sequence 2503, Ap
24	26	100.0	332	10	US-09-884-211b-4	Sequence 4, Appl
25	26	100.0	358	16	US-10-437-963-127818	Sequence 127818,
26	26	100.0	364	9	US-09-925-298-700	Sequence 700, App
27	26	100.0	364	14	US-10-102-806-700	Sequence 700, App
28	26	100.0	379	17	US-10-425-115-300830	Sequence 300830,
29	26	100.0	392	14	US-10-369-493-6696	Sequence 6696, Ap
30	26	100.0	404	17	US-10-425-115-249125	Sequence 249125,
31	26	100.0	439	16	US-10-437-963-160927	Sequence 160927,
32	26	100.0	440	15	US-10-425-114-39512	Sequence 39512, A
33	26	100.0	459	15	US-10-424-599-269810	Sequence 269810,
34	26	100.0	464	15	US-10-296-115-1252	Sequence 1252, Ap
35	26	100.0	484	15	US-10-424-599-188878	Sequence 188878,
36	26	100.0	490	15	US-10-425-114-45909	Sequence 45909, A
37	26	100.0	491	17	US-10-859-149-11	Sequence 11, Appl
38	26	100.0	495	14	US-10-104-047-2860	Sequence 2860, Ap
39	26	100.0	509	16	US-10-672-764A-6	Sequence 6, Appl
40	26	100.0	540	17	US-10-425-115-351163	Sequence 351163,
41	26	100.0	543	9	US-09-745-763-187	Sequence 187, App
42	26	100.0	598	15	US-10-112-944-245	Sequence 245, App
43	26	100.0	601	15	US-10-052-648A-56	Sequence 56, Appl
44	26	100.0	602	14	US-10-094-749-2246	Sequence 2246, Ap
45	26	100.0	616	15	US-10-296-115-1310	Sequence 1310, Ap

ALIGNMENTS

RESULT 1
US-10-437-963-124984
Sequence 124984, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 124984
LENGTH: 59
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_27671C.1.pep
US-10-437-963-124984

Query Match 100.0% ; Score 26; DB 16; Length 59;
Best Local Similarity 100.0% ; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
DB 53 YSDST 57

RESULT 2
US-10-424-599-151456
; Sequence 151456, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 151456
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_107788C.1.pcp
US-10-424-599-151456

Query Match 100.0%; Score 26; DB 15; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 59 YSDST 63

RESULT 3
US-10-424-599-191157
; Sequence 191157, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 191157
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(80)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_14633C.1.pcp
US-10-424-599-191157

Query Match 100.0%; Score 26; DB 15; Length 80;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
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Db 57 YSDST 61

RESULT 4
US-10-264-237-1509
; Sequence 1509, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:

; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA31p1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 1509
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-264-237-1509

Query Match 100.0%; Score 26; DB 15; Length 110;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
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Db 15 YSDST 19

RESULT 5
US-09-738-626-4328
; Sequence 4328, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, MAKIO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 4328
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-4328

Query Match 100.0%; Score 26; DB 9; Length 130;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 24 YSDST 28

RESULT 6
US-10-781-014-524
; Sequence 524, Application US/10781014
; Publication No. US20040180408A1
; GENERAL INFORMATION:

```

; APPLICANT: Pompeius, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zeider, Oskar
; APPLICANT: Haberauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN CARBON METABOLISM AND ENERGY
; FILE REFERENCE: BGI-126CPN
; CURRENT APPLICATION NUMBER: US/10/781,014
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 09/602,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/143,208
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 60/151,572
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19931412.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931413.6
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931424.1
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931428.4
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 784
; SEQ ID NO 524
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-781-014-524

Query Match          100.0%; Score 26; DB 16; Length 130;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
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Db      24 YSDST 28

RESULT 7
US-10-767-701-31613
; Sequence 31613, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 31613
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C101022_1.pap
US-10-767-701-31613

Query Match          100.0%; Score 26; DB 16; Length 131;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Cy      1 YSDST 5
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Db      82 YSDST 86

RESULT 8
US-10-197-824-36
; Sequence 36, Application US/10197824
; Publication No. US20040023219A1
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: NOVEL PROSTATE CANCER GENES
; FILE REFERENCE: 9U 106 R1
; CURRENT APPLICATION NUMBER: US/10/197,824
; CURRENT FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-197-824-36

Query Match          100.0%; Score 26; DB 15; Length 147;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
        |||||
Db      56 YSDST 60

RESULT 9
US-10-080-170-592
; Sequence 592, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495,0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 592
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-592

Query Match          100.0%; Score 26; DB 14; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
        |||||
Db      41 YSDST 45

RESULT 10
US-10-080-170-592
; Sequence 592, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
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FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 592
LENGTH: 163
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-080-170-592

Query Match 100.0%; Score 26; DB 16; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 11
US-10-468-356-592
Sequence 592, Application US/10468356
Publication No. US20040197896A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 05394.0019
CURRENT APPLICATION NUMBER: US/10/468,356
CURRENT FILING DATE: 2003-08-19
PRIOR APPLICATION NUMBER: 10/080,170
PRIOR FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 655
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 592
LENGTH: 163
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-468-356-592

Query Match 100.0%; Score 26; DB 17; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 12
US-10-080-170-78
Sequence 78, Application US/10080170
Publication No. US20030129601A1
GENERAL INFORMATION:
APPLICANT: COLE, S.T.
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 78
LENGTH: 165

TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-080-170-78

Query Match 100.0%; Score 26; DB 14; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 13
US-10-080-170-78
Sequence 78, Application US/10080170
Publication No. US20040121322A9
GENERAL INFORMATION:
APPLICANT: COLE, S.T.
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 78
LENGTH: 165
TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-080-170-78

Query Match 100.0%; Score 26; DB 16; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 14
US-10-468-356-78
Sequence 78, Application US/10468356
Publication No. US20040197896A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 05394.0019
CURRENT APPLICATION NUMBER: US/10/468,356
CURRENT FILING DATE: 2003-08-19
PRIOR APPLICATION NUMBER: 10/080,170
PRIOR FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 655
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 78
LENGTH: 165
TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-468-356-78

Query Match 100.0%; Score 26; DB 17; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 41 YSDST 45

RESULT 15

US-10-424-599-257112
; Sequence 257112, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 257112
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_74195C.1.pep
US-10-424-599-257112

Query Match

Best Local Similarity 100.0%; Score 26; DB 15; Length 188;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
Db 80 YSDST 84

RESULT 16

US-10-768-093-7
; Sequence 7, Application US/10768093
; Publication No. US20040156829A1
; GENERAL INFORMATION:
; APPLICANT: Wolf, Marcia K
; APPLICANT: Casels, Fred J
; APPLICANT: Boedecker, Edgar C
; TITLE OF INVENTION: Transformed Bacteria Producing GSE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hendricks and Assoc
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/768,093
; FILING DATE: 02-Feb-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,877B
; FILING DATE: 10-Jan-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M
; REGISTRATION NUMBER: 32,535
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703/425-8405
; TELEFAX: 703/425-8406
; INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 212 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-768-093-7

Query Match

Best Local Similarity 100.0%; Score 26; DB 15; Length 212;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
Db 12 YSDST 16

RESULT 17

US-10-197-824-25
; Sequence 25, Application US/10197824
; Publication No. US20040023219A1
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: NOVEL PROSTATE CANCER GENES
; FILE REFERENCE: 90 106 R1
; CURRENT APPLICATION NUMBER: US/10/197,824
; CURRENT FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 25
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-197-824-25

Query Match

Best Local Similarity 100.0%; Score 26; DB 15; Length 221;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
Db 56 YSDST 60

RESULT 18

US-10-059-964-60
; Sequence 60, Application US/10059964
; Publication No. US20020120115A1
; GENERAL INFORMATION:
; APPLICANT: Rikihisa, Yasuko
; APPLICANT: Ohashi, No. US20020120115A1
; TITLE OF INVENTION: Outer Membrane Protein of *Escherichia Canis* and *Escherichia*
; TITLE OF INVENTION: Chaffensis
; FILE REFERENCE: 22727/04021
; CURRENT APPLICATION NUMBER: US/10/059,964
; CURRENT FILING DATE: 2002-01-28
; EARLIER APPLICATION NUMBER: 09/314,701
; EARLIER FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 60
; LENGTH: 279
; TYPE: PRT
; ORGANISM: P30-11
US-10-059-964-60

Query Match

Best Local Similarity 100.0%; Score 26; DB 13; Length 279;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 106 YSDST 110

RESULT 19

US-10-314-639-60
; Sequence 60, Application US/10314639
; Publication No. US20030103991A1
; GENERAL INFORMATION:
; APPLICANT: Rikihisa, Yasuko
; APPLICANT: Ohashi, No. US20030103991A110
; TITLE OF INVENTION: Outer Membrane Protein of *Escherichia Canis* and *Escherichia*
; TITLE OF INVENTION: Chaffensis
; FILE REFERENCE: 22727/04021
; CURRENT APPLICATION NUMBER: US/10/314,639
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US/09/314,701
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 279
; TYPE: PRT
; ORGANISM: P30-11
US-10-314-639-60

Query Match 100.0%; Score 26; DB 14; Length 279;
Best Local Similarity 100.0%; Pred. No. 8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 106 YSDST 110

RESULT 20

US-10-097-111-298
; Sequence 298, Application US/10097111
; Publication No. US2003013877A1
; GENERAL INFORMATION:
; APPLICANT: PELLETIER, JERRY
; APPLICANT: GROS, PHILLIPPE
; APPLICANT: DUBOW, MICHAEL
; TITLE OF INVENTION: DNA SEQUENCES FROM *S. PNEUMONIAE* BACTERIOPHAGE BP1 THAT
; TITLE OF INVENTION: ENCODE ANTI-MICROBIAL POLYPEPTIDES
; FILE REFERENCE: 073406-0603
; CURRENT APPLICATION NUMBER: US/10/097,111
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 09/676,412
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/157,218
; PRIOR FILING DATE: 1999-09-30
; NUMBER OF SEQ ID NOS: 552
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 298
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-097-111-298

Query Match 100.0%; Score 26; DB 14; Length 279;
Best Local Similarity 100.0%; Pred. No. 8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 140 YSDST 144

RESULT 21

US-09-738-626-5015
; Sequence 5015, Application US/09738626

; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 5015
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-5015

Query Match 100.0%; Score 26; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 259 YSDST 263

RESULT 22

US-10-424-599-156013
; Sequence 156013, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 156013
; LENGTH: 321
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_1118C.1.pep
US-10-424-599-156013

Query Match 100.0%; Score 26; DB 15; Length 321;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 100 YSDST 104

RESULT 23

US-10-264-237-2503

; Sequence 2503, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
; APPLICANT: Bire et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P131P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2503
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (137)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-237-2503

Query Match 100.0%; Score 26; DB 15; Length 330;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 75 YSDST 79

RESULT 24
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et. al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; FILE REFERENCE: PC10743A
; CURRENT APPLICATION NUMBER: US/09/884,211A
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213,909
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MC4R protein Sequence
US-09-884-211A-4

Query Match 100.0%; Score 26; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 187 YSDST 191

RESULT 25
US-10-437-963-127818
; Sequence 127818, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 127818
; LENGTH: 358
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_30231C.1.pdp
US-10-437-963-127818

Query Match 100.0%; Score 26; DB 16; Length 358;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 286 YSDST 290

RESULT 26
US-09-925-298-700
; Sequence 700, Application US/09925298
; Publication No. US20020039764A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: P103
; CURRENT APPLICATION NUMBER: US/09/925,298
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 700
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (13)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (30)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (353)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (360)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-298-700

Query Match 100.0%; Score 26; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 83 YSDST 87

RESULT 27
US-10-102-806-700

Sequence 700, Application US/10102806
Publication No. US20030054421A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA103PICI
CURRENT APPLICATION NUMBER: US/10/102,806
CURRENT FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: 09/925,298
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05881
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 846
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 700
LENGTH: 364
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (13)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (30)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (353)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (360)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-102-806-700

Query Match
Best Local Similarity 100.0%; Score 26; DB 14; Length 364;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 83 YSDST 87

RESULT 28
US-10-425-115-300830
Sequence 300830, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 300830
LENGTH: 379
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..
OTHER INFORMATION: unsure at all Xaa locations
OTHER INFORMATION: Clone ID: MRT4577_37426C.1.pdp
US-10-425-115-300830

Query Match
Best Local Similarity 100.0%; Score 26; DB 17; Length 379;
Matches 100.0%; Pred. No. 1.1e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 219 YSDST 223

RESULT 29
US-10-369-493-6696
Sequence 6696, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 6696
LENGTH: 392
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-10-369-493-6696

Query Match
Best Local Similarity 100.0%; Score 26; DB 14; Length 392;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 235 YSDST 239

RESULT 30
US-10-425-115-249125
Sequence 249125, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 249125
LENGTH: 404
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..
OTHER INFORMATION: unsure at all Xaa locations
OTHER INFORMATION: Clone ID: MRT4577_15878C.1.pdp
US-10-425-115-249125

Query Match
Best Local Similarity 100.0%; Score 26; DB 17; Length 404;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||

Db 164 YSDST 168

RESULT 31
US-10-437-963-160927
; Sequence 160927, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 160927
; LENGTH: 439
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(439)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_6015C.1.pep
US-10-437-963-160927

Query Match 100.0%; Score 26; DB 16; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 381 YSDST 385

RESULT 32
US-10-425-114-39512
; Sequence 39512, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; APPLICANT: Tabaska, Jack E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 39512
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700240895_Flt.pep
US-10-425-114-39512

Query Match 100.0%; Score 26; DB 15; Length 440;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 114 YSDST 118

RESULT 33
US-10-424-599-269810
; Sequence 269810, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; APPLICANT: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 269810
; LENGTH: 459
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_85658C.1.pep
US-10-424-599-269810

Query Match 100.0%; Score 26; DB 15; Length 459;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 422 YSDST 426

RESULT 34
US-10-296-115-1252
; Sequence 1252, Application US/10296115
; Publication No. US20040053248A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq Inc
; TITLE OF INVENTION: No. US20040053248A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 784PCT
; CURRENT APPLICATION NUMBER: US/10/296,115
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 1252
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-296-115-1252

Query Match 100.0%; Score 26; DB 15; Length 464;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 156 YSDST 160

RESULT 35
US-10-424-599-188878
; Sequence 188878, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K

```

; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 188878
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(484)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_141571C.1.pep
US-10-424-599-188878

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```

Query Match          100.0%; Score 26; DB 15; Length 484;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 YSDST 5
    |||||
Db 71 YSDST 75

```

```

RESULT 36
US-10-425-114-45909
; Sequence 45909, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 45909
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 701008639_FLI.pep
US-10-425-114-45909

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```

Query Match          100.0%; Score 26; DB 15; Length 490;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY 1 YSDST 5
    |||||
Db 435 YSDST 439

```

```

RESULT 37
US-10-859-149-11
; Sequence 11, Application US/10859149
; Publication No. US20040214295A1
; GENERAL INFORMATION:
; APPLICANT: Fujii, Tadashi
; APPLICANT: Narita, Takao
; APPLICANT: NAKATA, Kunio
; APPLICANT: ASEMATSU, Hitoshi
; APPLICANT: TSUNEKAWA, Hiroshi

```

```

; APPLICANT: ISSHIKI, Kunio
; APPLICANT: YOSHIOKA, Takeo
; TITLE OF INVENTION: Gene Participating in the production of homoglutamic
; TITLE OF INVENTION: acid and its use
; FILE REFERENCE: 2004-0874/MMC/00202
; CURRENT APPLICATION NUMBER: US/10/859,149
; CURRENT FILING DATE: 2004-06-03
; PRIOR APPLICATION NUMBER: 09/762,230
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: JP10/232382
; PRIOR FILING DATE: 1998-08-05
; PRIOR APPLICATION NUMBER: JP11/182362
; PRIOR FILING DATE: 1999-06-28
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Flavobacterium lutescens
US-10-859-149-11

```

```

Query Match          100.0%; Score 26; DB 17; Length 491;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 YSDST 5
    |||||
Db 219 YSDST 223

```

```

RESULT 38
US-10-104-047-2860
; Sequence 2860, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392a1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2860
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2860

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Query Match          100.0%; Score 26; DB 14; Length 495;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 YSDST 5
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Db 489 YSDST 493

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RESULT 39
US-10-672-764A-6
; Sequence 6, Application US/10672764A
; Publication No. US20040156832A1
; GENERAL INFORMATION:
; APPLICANT: Jolly, Chris
; TITLE OF INVENTION: Immunoglobulin Compositions and Methods
; FILE REFERENCE: 13311.1001U
; CURRENT APPLICATION NUMBER: US/10/672,764A
; CURRENT FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 509

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; TYPE: PRT
; ORGANISM: Human
US-10-672-764A-6

Query Match 100.0%; Score 26; DB 16; Length 509;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
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Db 131 YSDST 135

RESULT 40

US-10-425-115-351163
; Sequence 351163, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 351163
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_83429C.1.pep
US-10-425-115-351163

Query Match 100.0%; Score 26; DB 17; Length 540;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 306 YSDST 310

Search completed: November 17, 2004, 15:02:52
Job time : 10.7436 secs

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1981 AAAA 1985
1981 AAAA 1985

RESULT 2
US-09-884-211A-1
; Sequence 1, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et, al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
; FILE REFERENCE: PC10743A
; CURRENT APPLICATION NUMBER: US/09/884, 211A
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213, 909
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1708


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; TYPE: DNA
; ORGANISM: Feline MC4R Nucleotide Sequence
US-09-884-211A-1
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Query Match	58.8%	Score 1166.6	DB 10	Length 1708
Best Local Similarity	83.5%	Pred. No. 1.7e-285		
Matches 1418	Conservative	0	Mismatches 224	Indels 57
				Gaps 6

QY	14	GAGCAGCTGATGCGAATCATGTGACGAGATTACGCTTCGTGGTCTCGGCGCAATC	73
Db	64	GAGCGAGTGGTGTGAAATCATGCAGAACAGGATTCAAGCTCCAGTGGCACACAGCACTA	123
QY	74	GGAGAAATTACTTTCGAACAGACCTCACTGAATGCCCTAGACTPAAGTTAAGTGGAGTGA	133
QY	194	CAGACTCTTTGAACTAAGAAATGAGCAATTCAGAAATCAAGATGTTACATGAAGGTGAT	253
Db	202	CAGACTCTTTCAACTGAGAAATGAGATTTTCAGAAAGCTTAAGATTTTCAATGAAAGTAT	261
QY	254	CGAGCTGTACTGGAAGACAGTAAGACTCCACTGCGAGCTTTTGGAGACGCGAGCAG	313
Db	262	CAGAGCCGTTCTGTGGAGACAGTAAAACTCCATTTTCAGCC--TGAGAGACCGTGAAT	319
QY	314	GTACTCAACACTGCGAGGCGACGTGATTCCTCAAGAACTTTTGGACGCAACGGAAGGGG	373
Db	320	TTACTTC-AACAACAGCATGCCAATTCAGCTCAGAACTTTTCGCGACAGCAAAAGCGTGG	378
QY	374	AGAACTATCACCGGGGCTCCCTGCGCTGAGAGAGGCGAATCAATCCGAGGGGGTCTGCATA	433
Db	379	AGAAAACACTGAGGCTACTGTGACCCGAGAGATGAAATCAATTCGAGAGGGATCTGAATC	438
QY	434	CACTTGTTGCAGATGAATCCTCAACCTTCAGCAAGAAATGCAACTTCTCTCCACTTGTG	493
Db	439	CAC-TGGTGACAGATGAATCTCACTCATCAACATGAAATGCAACTTCTCTCCACTTGTG	497
QY	494	GAAACCGACGACCTTAACGAGACGAGCAAGCAAGCCATGAGTCCCTTGGCAAAAGCTAACC	553
Db	498	GAAACCGACGACCTTAACGAGACGAGCAAGCAAGTGAATGCTTGGAAAAAGCTACTTC	557
QY	554	CGACGGGGGATGCTACGAGCAACTCTTTCGTCCCGGAGGTTGTCGATCTTGGGGGT	613
Db	558	TGATGAGAGGGTGTATGAGCACTTTTGTCTCCCTGAGGTTTGTGATCTTGGGTGT	617
QY	614	CATAAGCTTGTGAGAACTTCTGTGTGATCGTGGCAATTAAGCCAGAAACAAGATCTGCA	673
Db	618	CATCAGCTTGTGAGAAATATTCGTGTGATGTGGCAATTAACCAAGAAACAAAACCTTGCA	677
QY	674	CTCAGCCATGATCTTTTCACTGTGAGCTGGCTGGCCGATATGATGATGAGAGGCTTC	733
Db	678	TTGCCCCATGATCTTTTCACTGTGAGCTGGCTGGCTGGCTGATATGTTGGTGAAGGTGTC	737
QY	734	CAACGGGTGACAGACCATCGTATCAACCTGTGAAACGTACGAGTAACGACGCGCAGAG	793
Db	738	AAAAGGATCCGAACCATGTGATCAACCTTATTAACAGTACAGATTAAGGACGCGCAGAG	797
QY	794	TTTCAACGGTGAATTTGATTAATGTCAATGATCGGTGATCTGTAGCTCTTGTGCTGCTC	853
Db	798	TTTCAACGGTGAATTTGATTAATGTCAATGATCGGTGATCTGTAGCTCTTGTGCTGCTC	857
QY	854	GATTTCAGCGCTGCTCAATTGACAGTGGACAGGATCTTATCTTATATGCGCTCA	913
Db	858	GATTTCAGCGCTGCTCAATTGACAGTGGACAGGATCTTATCTTATATGCGCTCA	917
QY	914	GTACCATTAATCAATGACGTTGAGGCGGGTTGGATTCATCACTGATTGCATCTGGCGGC	973
Db	918	GTACCATTAATCAATGACGTTGAGGCGGGTTGGATTCATCAATGATTGTATCTGGCGAGC	977
QY	974	TTGCACGGTTCAGGACATCTTGTTCATCATTTTACTCGGACAGTACTGCTGTGCATCATCTG	1033

Db	978	TTGACGCGTTTCGGGCGTTTGTTCATCATCTACTCAGACGAGTGTGTGCATCATCTG	1037
Oy	1034	CTTCATCAACAATGTTCTTCAACCATGCTGGCCCTCATGCGTTCTCTCAACGTCCACATGTT	1093
Db	1038	CTTCATCAACAATGTTCTTCAACCATGCTGGCCCTCATGCGTTCTCTCAACGTCCACATGTT	1097
Oy	1094	CTTCATGCGCAGATGCGACATCAAGAAATCGCCGTCCTCCCGGGCACCCGACCATCTCG	1153
Db	1098	CTTCATGCGCAGATGCGACATTAAGAAATTCGTCTCTCCCGGGCACCTGCGACCATCTCG	1157
Oy	1154	CCAAAGGGGCCAACAAGAAGGTGECATTACCTTGACCATCTCAATGSGGCTCTTCGTGT	1213
Db	1158	CCAAAGGGGCCAACAAGAAGGTGECATTACCTTGACCATCTCAATGSGGCTCTTCGTGT	1217
Oy	1214	CTGCTGGGCTTCATTTCTTCTCCACTGGAATTTCTAATCTCTGTGTCCCGAATTCATTA	1273
Db	1218	CTGCTGGGCCCCGCTCTCTCCACTGGAATTTCTAATCTCTGTGTCCCGAATTCCTTA	1277
Oy	1274	CTGTGTGCTCAATGTCCTCACTTAATCTTGACCTCATTTCTGATCAATGTGTAACTCCAT	1333
Db	1278	CTGTGTGCTCAATGTCCTCACTTAATCTTGACCTCATTTCTGATCAATGTGTAACTCCAT	1337
Oy	1334	CATGCACTCTCTCAATTAATGACATCTCGGAGCCAAAGACTGAGAAAACTTCAAAAGAT	1393
Db	1338	CATGCACTCTCTCAATTAATGACATCTCGGAGCCAAAGACTGAGAAAACTTCAAAAGAT	1397
Oy	1394	CATGTGTGCTATCTCTCGGCTGCGCTTTGGAATGTGTACAGATTAAGTGGGGGAC	1453
Db	1398	CATGTGTGCTATCTCTCGGCTGCGCTTTGGAATGTGTGTACAGATTAAGTGGGGGAC	1457
Oy	1454	AGAGGAAGTACTAAAAACATGACCAAGACATTTCTTCATCTCTCAACAACATGAACTGTG	1513
Db	1458	A-----TAGAAACGTGACATTAAGACATTTCTTCATTTTACAGAACCGGAACTTG	1507
Oy	1514	TGCTTGGACAAACAGCTGCTTCTTCAGATTAAGCAGAGATTGGAATATCTGTGCACA	1573
Db	1508	TGCTTGTATGACCCCTTTTCCTCTCTGTGAAGCATGGTGAACATATCTGTGTATA	1567
Oy	1574	ATTCAACTTAATGATGTTTGTGATGTGAAAAAAAATGCCCCAGGCTCTGTACATTGCTAA	1633
Db	1568	ATTTAAGTCAATGACTTTTGTGGAATGGAACAAATGCCCAAGCTCTGTACATTTCTTA	1627
Oy	1634	TGTCATGCTACTTTTGGGCTGTGTGATTTAATTCAT-TTGCAGCTGTGAGACATTTGA	1692
Db	1628	TGTCCTGCTACTTTTGGCTGTGACAAATGTAATCATATATAAGTGTGAGGCACTATGA	1687
Oy	1693	ATTTCAGAAAAAGAAAAA 1711	
Db	1688	ATGTATAAAAAATAAAAAA 1706	

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RESULT 3
US-09-910-180-1
; Sequence 1, Application US//09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
; APPLICANT: Heising, Hansen
; APPLICANT: Smith, Dennis
; APPLICANT: Zhang, Xing-Yue
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
; FILE REFERENCE: P-12621
; CURRENT APPLICATION NUMBER: US//09/910,180
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1950
; TYPE: DNA
; ORGANISM: Bovine
US-09-910-180-1
Query Match          48.8%; Score 968.6; DB 10; Length 1950;

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Best Local Similarity 76.4%; Pred. No. 3,8e-235;
Matches 1328; Conservative 0; Mismatches 379; Indels 32; Gaps 10;

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QY 224 AGAATTCGAATGTTACGAGTAAGTATCGAGACTGTACTGTGAAGACGTAAAGACT 283
Db 68 AGACCCCTAAGATTTTCCAAAGTATGCTGACAGACACACTTGAAGACTGAAACT 127
QY 284 CCACTGCAAGCCTTTTGGAGCAGGAGGTACTCAACACTGTGACAGGAGCTGATC 343
Db 128 TCCCTTCCAGC--TCCGAGGATGAGGACATTTATTC-ACAGAGGACATGCCACTCCGC 184
QY 344 CTCAGAACTTTGGGACG---CAGGAGAGGGGAGAACATCACCGGGGCTCCCTGGCTG 399
Db 185 CGCCTTACTCTTCTGTTGGGAGCAAGTCAAGACTGAGAAAGGTGTGAGGCTGCGACGATCC 244
QY 400 GAGAGCCGCAATCACTCCCGAGGGGCTGCAATACATGTTTGAAGATGAATCCACCC 459
Db 245 AGGAGGTTCACTCACTCAGAGGAGGAGCTGAATCCAA-----ATGAATCTTACCC 295
QY 460 TTCAGCAGGAATGACACTTCTCTCACTTCTGMAACGAGACCTACGAGACGACG 519
Db 236 AGCCCTTGGAGTGCACCTCTCTCACTCTGGAACCGAGGCGCCACGGAATGCCCA 355
QY 520 GCAAGCCACTGATGCTCTTGGCAAAAGGCTACCCGACGGGGATGCTACGAGCACTCT 579
Db 356 CCAATGTCAGTGAGTCCCTGGCAAAAGGCTACTCGGACGGGGGCTGCTATAGCAGCTCT 415
QY 580 TCGTCTCCCGAGAGGTTTCTGACTCTGGGGGCTATAGCTTCTGGAAGAACCTTGG 639
Db 416 TTGTCTCTCCGAGGTTTGTGACTCTGGGGGCTATAGCTTGTGGAAGAAATTCGG 475
QY 640 TGATGTGGCAATAGCCAGAAACAAGATCTGCACTCACTCATGTAATCTTCTCTGTA 699
Db 476 TGATGTGGCCATAGCCAGAAACAAGATCTGCACTCACTCATGTAATCTTCTCTGTA 535
QY 700 GCTGTGCTGTGGCCGATATGCTGTGTGAGCTTTTCCAAAGGCTCAGAGCACTGTCTATCA 759
Db 536 GCTGTGCTGTGGCCGATATGCTGTGTGAGCTTTTCCAAAGGCTCAGAGCACTGTCTATCA 595
QY 760 CCTGTGTAACAGTACGATACGAGACGCGGAGAGTTTCAAGGATATTTGTAATATCTCA 819
Db 596 CCTGTGTAACAGTACGAGACGCGGAGAGTTTCAAGGATATTTGTAATATCTCA 655
QY 820 TTGACTCGGTATCTGTAAGCTCTTGTCTCGCTCGATTTGCAAGCTGTCTCAATTCAG 879
Db 656 TTGACTCGGTATCTGTAAGCTCTTGTCTCGCTCGATTTGCAAGCTGTCTCAATTCAG 715
QY 880 TGGAAGGTACTTATCTTATGCTTATGCTTCACTGTAACATATCATACGCTGAGGC 939
Db 716 TGGAAGGTACTTATCTTATGCTTATGCTTCACTGTAACATATCATACGCTGAGGC 775
QY 940 GGGTGGGATCATCATGTTGATCTGAGCGGCTTGCACAGGTCTCAGGACATCTTGTCTCA 999
Db 776 GGGTGGGATCATCATGTTGATCTGAGCGGCTTGCACAGGTCTCAGGACATCTTGTCTCA 835
QY 1000 TCATTTACTCGGAAGTAAGTCTGTATCATCTGCTTCAATCATCATGTTCTTCAACATGC 1059
Db 836 TCATTTACTCGGAAGTAAGTCTGTATCATCTGCTTCAATCATCATGTTCTTCAACATGC 895
QY 1060 TGCGCCATCATGCTTCTCTTACAGTCCAGATGTTCCATGAGGCGAGACTCAATCAAGA 1119
Db 896 TGCGCTCATAGGCTCTCTCTATGTCCACATGTTCTCATAGGCGAGACTCCACATTAAGA 955
QY 1120 GAATCGCGCTCTCCCGGACCGGACCAATCCGCAAGGGGCGCAATGAAGGGTCCCA 1179
Db 956 GAATCGCGCTCTCCCGGACCGGACCAATCCGCGAGGGCGCAATGAAGGGGCGCA 1015
QY 1180 TTACTTGAACATATCTATTTGGGATCTTGTCTGTCTGAGCTCATCTTCTCTCACT 1239
Db 1016 TTACTTGAACATATCTATTTGGGATCTTGTGTGTCTGTGGGCGCCCTTCTCTGACCC 1075
QY 1240 TGATATTTCAATCTTGTGCCCGAATCATATCTGTGTGTGTATATCTTCACTTTA 1299

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Db 1076 TGATATTTCAATCTTGTGCCCGAATCATATCTGTGTGTGTATATCTTCACTTTA 1135
QY 1300 ACTGTATCTCATCTTGTATATGTGTATCTTCCATCATGACCCCTTCAATTTATGACTCC 1359
Db 1136 ACTGTATCTCATCTTGTATATGTGTATCTTCCATCATGACCCCTTCAATTTATGACTCC 1195
QY 1360 GGAAGCCAAAGCTGAGGAGAAACCTTCAAGAGATCATCTGTCTATCTCTGAGGTGGCC 1419
Db 1196 GGAAGCCAAAGCTGAGGAGAAACCTTCAAGAGATCATCTGTCTATCTCTGAGGTGGCC 1255
QY 1420 TTTGTGACTTGTCTAGCAATGATCTAGCTGGGAGCAGAGAACTAATTAAGATGACCA 1479
Db 1256 TCTGTGATTTGTCTAGCAATGATTTAAATGGGAGCAAAAGGAGTCTTAAACAAAGCTTAA 1315
QY 1480 GAGACTCTTCACTTCA-----CACAACATGAACGTGTGCTTGGACCAACAGCTGCTCT 1535
Db 1316 GAGACTTCTCTCTCTCTATATGTATCAACCTGAAACAGCTGTATACGACAGCTTTTCT 1375
QY 1536 TCAGTATAGGCAAGGAGTGTGAGAAATCTGTGACAAATTCAACTTATGATGTTTGA 1595
Db 1376 TCTGTAGGCGAATGAGATGAATAATTTCTATGTATCAAGTGAAGTTGTGATTTTTC 1435
QY 1596 TGTGAAAAAATAATGCCAGGCTCTGTATCATTTGTAATGTCAATCTTTTGGGCTGT 1655
Db 1436 TGTATGTGAACAG-TGCCAGTCTGTGTATTTTAAATGTCAATCTTCTGGCTGT 1494
QY 1656 GCAATGTATATCAATTTT-CAGGCTGTAGCACTTGAATTTCTAGAAAA-----GAAA 1709
Db 1495 AAAATGTGAATCCACATCACAGGTTATAGGACTATGACATTTAATAAAGAAAGAAAA 1554
QY 1710 AACCTTCATTAAGCATATCAGTGT---TTCTGTATTTACAGAGATTTGGCACTT 1765
Db 1555 AAGCTTATAGAGAGATTTAAGGTGTTCTCTTCTTGTATTTAACAAGATGTGACACTT 1614
QY 1766 TGTCTGCTTTAGGAAACATTAAGATATGATATCAATTAATCTATGACCTGATTAATC 1825
Db 1615 TGTCTGCTTT-TGTAAATGAAATCAAGCTTCAATTAAGTATATCTTCAATGCTGTTT 1673
QY 1826 TTCTTATATATATCTATATATCATATGAAATGTGAGATTTGAATGTAGCATGGGGGCTGA 1885
Db 1674 TTTTATGTTATCTTATTAACAACACTGAAGGTGTAATAATTTGATTTCTGACATTTT 1733
QY 1886 TATTTGAACAATAGATCTTGTCTATTTAAACAATCAACTGAAATTTTAAATTAAT 1944
Db 1734 AATATGAGAAACATATGCTTATATCAATTAATAAACAAGCTGAATTTCAAGTATTTAAT 1792

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RESULT 4
US-10-413-752-5
Sequence 5, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Dennis Huzar
APPLICANT: Frank Lee
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatsSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 1671
TYPE: DNA
ORGANISM: Homo sapiens
US-10-413-752-5
Query Match 48.3%; Score 958.2; DB 15; Length 1671;

Best Local Similarity 80.2%; Pred. No. 1,56-232;
Matches 1261; Conservative 0; Mismatches 292; Indels 20; Gaps 11;

144 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGAGAGAGAGCTCTT 203
Db AATGCAATTAAGATTAAAGTAAAGCAAGTGAAGCAAGAAAGAGAGAGCTCTT 153
Qy 204 GAACTAAGATGAGCATTTGAGAAATGGAATGTTACAGTGAAGTGAAGAGCTGTA 263
Db 154 CAAGTGAAGATGATATTTT-GAAGCCAGATTTTAAAGTGAAGATGAATGAGTGA 212
Qy 264 CTTGGAAGAGAGAGCTGCTGAGCTGAGCTGCTTTGAGAGAGAGAGAGTACTCA 323
Db 213 CTTAAAGAGAGCTGAAATCTGATGCAAGC---TCTGAGCTTGTGACATTTACTC-ACA 268
Qy 324 CTTGAGAGAGAGAGTGAAGTCTGAGAGCTTTGAGAGAGAGAGAGAGAGAGAG 383
Db 269 GAGAGAGAGAGAGTGAAGTGAAGCTTCAAGAGATGAAGAGAGAGAGAGAGAG 328
Qy 384 CG---GGGCTCCCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 440
Db 329 TGAGAGAGATCTCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 387
Qy 441 TGAGAGATGAATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 500
Db 388 GCGAGAGATGAGATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 447
Qy 501 AG 560
Db 448 AGAGAGATGAAG 507
Qy 561 GAG 620
Db 508 GGGAG 567
Qy 621 TTGCTGAG 680
Db 568 TTGCTGAG 627
Qy 681 ATGAG 740
Db 628 ATGAG 687
Qy 741 TCAG 800
Db 688 TCAG 747
Qy 801 GTCAG 860
Db 748 GTCAG 807
Qy 861 AGCTGCTGCTGAG 920
Db 808 AGCTGCTGCTGAG 867
Qy 921 AACATGAG 980
Db 868 AACATGAG 927
Qy 981 GTGTCAG 1040
Db 928 GTTTCAG 987
Qy 1041 ACATGATTTTCAG 1100
Db 988 ACATGATTTTCAG 1047
Qy 1101 GCGAG 1160
Db 1048 GCGAG 1107
Qy 1161 GCGAG 1220

Db 1108 GCGAG 1167
Qy 1221 GTCATGATTTTCAG 1280
Db 1168 GCGAG 1227
Qy 1281 TGCTGATGCTGAG 1340
Db 1228 TGCTGATGCTGAG 1287
Qy 1341 CTTGATGATGAG 1400
Db 1288 CTTGATGATGAG 1347
Qy 1401 TGCTGATGCTGAG 1460
Db 1348 TGCTGATGCTGAG 1407
Qy 1461 GTCATGATTTTCAG 1518
Db 1408 GCAATATGAG 1467
Qy 1519 GAG 1578
Db 1468 CTGAG 1526
Qy 1579 ACTTATGATGATTTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1637
Db 1527 AGCTGATGATTTT-----AATGAGAGAGAGAGAGAGAGAGAGAGAGAG 1581
Qy 1638 ATGCTGAG 1695
Db 1582 ATGCTGATTTTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1641
Qy 1696 TCTAG 1708
Db 1642 TACAG 1654

RESULT 5

US-10-288-160-15
; Sequence 15, Application US/10288160
; Publication No. US20030105024A1

GENERAL INFORMATION:

APPLICANT: Pan, Wei

Boston, Bruce A
Kesteron, Robert A
Lu, Dongxi
Chen, Wenbiao

TITLE OF INVENTION: Methods and Reagents for Discovering and
Using Mammalian Melanocortin Receptor Agonists and Antagonists
To Modulate Feeding Behavior in Animals

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff

STREET: 300 South Wacker Drive

CITY: Chicago

STATE: IL

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/288,160

FILING DATE: 05-NO. US20030105024A1-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/706,281

FILING DATE: 04-SEP-1996

[illegible]

Best Local Similarity 89.2%; Pred. No. 3e-197;
Matches 883; Conservative 0; Mismatches 107; Indels 0; Gaps 0;

QY	455	TACCCTTTAGACGGAAATGACA	CTTCTCTCCACTTTGGAAACCCAGACCTTAGAGAA	514
Db	9	CTCCACCACCGTGGGATGCA	CACTTCTCTGCACTCTGGAAACCGACAGATTACAGACT	68
QY	515	GCACGGGACGGCACTAGTCC	CTTTGGCAAAAGGCTACCCCGACGGGGATGCTACAGCA	574
Db	69	GACAGCAATGCAATGAGTCC	CTTGGAAAAAGGCTACTGTATGGAGGGGTGTACAGAGA	128
QY	575	ACTCTTCGTCTCCCGAGAGT	GTTCGTGACTCTGGGGGTTCATTAACCTTGTCTGGAAACAT	634
Db	129	ACTTTTGTCTCTCTGAGGT	GTGTTTGTGACTCTGGGTGTCACTCAGCTGTGGAGAAATAT	188
QY	635	TCTGGTATTCGTGGCAATAG	CGCAAGAAACAAATATGTGACATCACCCATGTACTTTTTCAT	694
Db	189	CTTAGGTATTTGTGCATATG	CCAAAGAACAAAGAAATCTGCATTCACCAATGTACTTTTTCAT	248
QY	695	CTGTAGCCTGTGCTGTGCG	CCGATATAGCTGTGAGCGTTTCCAAACGGGTACAGACCATGAT	754
Db	249	CTGCAGCTGTGCTGTGCTG	ATGATGTGTGATGGGTTTCAATATGATACAGAAACCATATAT	308
QY	755	CATCACTCTGTGTAACAGT	ATACGATACGACGGCAAGTTTCAACGGTGAATATTGATTA	814
Db	309	CATCACCTTAATTAACAGT	ATACAGATACCGATGCAACAGATTTTCAACAGTAATATTGATTA	368
QY	815	TGTATTGATCTCGGATGAT	CTGTAGCTCTGTCTCGCCCTCGATTTTGGACAGCTGTCTCAT	874
Db	369	TGTATTGATCTCGGATGAT	CTGTAGCTCTGTCTGTGATCCATTTGGACAGCTGTCTCAT	428
QY	875	TGCATGGAACAGTACTTTA	CTTACTTTTATATGCCCTCCAGTACCAATTAACATCATGACGAT	934
Db	429	TGCATGGAACAGTACTTTA	CTTACTTTTATATGCTCTCCAGTACCAATTAACATTAATGACAGT	488
QY	935	GAGCGGGATTGGATTCAT	CATCATGTGGATCTGGGGCGGCTTGACAGGATGACAGTCT	994
Db	489	TAAACGGGTTGGATTCAT	CATTAATTTGATTTGGGACAGCTTGACAGGATTTACAGGCAATTT	548
QY	995	GTTTCATCATTTACTCGA	CAGTACTGCTGTTCATCATCTGCTTCATACCATGTCTTTCAC	105
Db	549	GTTTCATCATTTACTCGA	CAGTACTGCTGTTCATCATCTGCTTCATACCATGTCTTTCAC	608
QY	1055	CATGCTGAGCCCTCAT	TGGGCTTCTCTCTACATGTCACATGTTCCATATGGGCAACATGCAAT	111
Db	609	CATGCTGAGCTTCAT	TGGCTTCTCTCTATATTCACATGTTCTTGATATGGGCAAGCTTCACAT	668
QY	1115	CAGAAGATGCGGCTCT	CCCGGGCACCGACATCGGCCAAGGGGCAACATGAAGGG	1174
Db	669	TAAAGAGATGCTGTCT	CTCCCGGCACATGGTGCCATCGGCCAAGGTGCATTAATGAAGGG	728
QY	1175	TGCATTACCTTGACAT	CTACATTTGGGGATTTGTGTGCTGCGGGGCTGCATTTCTTCT	123
Db	729	AGGCAATTAACCTTGAC	ATCTGATTTGGCGTCTTTGTTGTCTGTGCGGGGCCCAATTTCTTCT	788
QY	1235	CCAATTGATATTCTACAT	CTTGTGTGCCAAGATTCATACTGTGTGTCTTCATGTCTCA	1294
Db	789	CCAATTGATATTCTACAT	CTTGTGTGCCAAGATTCATACTGTGTGTCTTCATGTCTCA	848
QY	1295	CTTTAATTGTACCTCAT	TCTGTATGATGTAACTCATATGCAACCTCTCATTTTATGC	1354
Db	849	CTTTAATTGTATCTCAT	CTGATGATGTGTAACTCATATGATCTCTCATTTTATGC	908
QY	1355	ACTTCGGAGCCAAAGCTG	AGAAAACCTTCAAGAATCATCTGTGTCTATCTCTCTGGG	1414
Db	909	ACTTCGGAGCTCAAGAA	CTGAGAAAACCTTCAAGAATCATCTGTGTCTATCTCTCTGGG	968
QY	1415	TGCGCTTTGTGACTGT	CTTGACGATATCTA	1444
Db	969	AGGCTTTTGTGACTGT	CTTGACGATATCTA	998

RESULT 11

US-10-373-355-1
; Sequence 1, Application US/10373355
; Publication No. US20030166009A1
; GENERAL INFORMATION:
; APPLICANT: MacNeill, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/10/373,355
; PRIOR FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: US/09/831,206
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1030
; TYPE: DNA
; ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-1

Query Match 41.2%; Score 817.6; DB 15; Length 1030;
Best Local Similarity 87.4%; Pred. No. 6.2e-197;
Matches 895; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

436 CTGTGTCAGAGTAAGTCCACCCCTTCAGACAGGAATGACACTTCTCCACTTCTGGA 495
6 CTCGTGCGAGATGATGTAATCTCCACCGGTGGATGACGCTTCTGTGACCTGTGGA 65
496 ACCGAGCACTTACGACAGACAGGCAAGCCACTGATCCCTTGGCAAAGCTTACC 555
66 ACCCGAGAGGACAGCAAGCTGACAGCAATGCAAGTCCCTTGGAAAGCTTACTGT 125
556 ACCGGGGATGTAGAGCACTTCTGCTCCCGGAGGTGTGTGACTGTGGGGGTCA 615
126 ATGAGAGGTGTAGAGCACTTCTGCTCCCGGAGGTGTGTGACTGTGGGGGTCA 185
616 TAACTTGTGAGAAATCTGTGATGTCGCAATGCAAGCAAGAAATCTGCACT 675
186 TCACCTTGTGAGAAATCTGTGATGTCGCAATGCAAGCAAGAAATCTGCACT 245
676 CACCAATGTAATCTTCTGATGAGCTGCTGTGCGCATATGCTGTGAGCGTTTCA 735
246 CACCAATGTAATCTTCTGATGAGCTGCTGTGCGCATATGCTGTGAGCGTTTCA 305
736 ACGGGTCAAGACATGCTATCAACCCCTGTGAACAGTAACGATACGAGCGGAGGT 795
306 ATGATTCAGAAACATGTCATCAACCCCTGTGAACAGTAACGATACGAGCGGAGGT 365
796 TCACGTTGATATGATATGATGATGATGATGATGATGATGATGATGATGATGAT 855
366 TCACGTTGATATGATATGATGATGATGATGATGATGATGATGATGATGATGAT 425
856 TTTGCAAGCTCTCTCAATTCAGTGAAGAGTACTTATCTTATCTTATGCTTCAAGT 915
426 TTTGCAAGCTCTCTCAATTCAGTGAAGAGTACTTATCTTATCTTATGCTTCAAGT 485
916 ACCATAATCATGACGTTGAGGGGTTGGGATCATATGATGATGATGATGATGATGAT 975
486 ACCATAATCATGACGTTGAGGGGTTGGGATCATATGATGATGATGATGATGATGAT 545
976 GCAGGTTGAGGAGCTTGTTCATCATTTTACGAGACAGTACGCTGATCATCTGCC 1035
546 GCAGGTTGAGGAGCTTGTTCATCATTTTACGAGACAGTACGCTGATCATCTGCC 605
1036 TCATCACCAGTCTTTCACATGCTGAGCGCTCATGAGCTTCTCTCAAGTCCATGTTCC 1095
606 TCATCACCAGTCTTTCACATGCTGAGCGCTCATGAGCTTCTCTCAAGTCCATGTTCC 665

1096 TCATGCGCAGACTGACATCAAGAAATGCGCTCTCCGGGACCCGACCATCCGCC 1155
666 TGATGCGCAGACTGACATCAAGAAATGCGCTCTCCGGGACCCGACCATCCGCC 725
1156 AAGGGGCAACATGAAAGGGGTCATTAACCTGACCAATCACTTATGGGGTCTGTGCT 1215
726 AAGGGGCAACATGAAAGGGGTCATTAACCTGACCAATCACTTATGGGGTCTGTGCT 785
1216 GCTGGGCTCATCTTCTCTCACTTATTAATCTGATCTGATCCCAATCACTACT 1275
786 GCTGGGCTCATCTTCTCTCACTTATTAATCTGATCTGATCCCAATCACTACT 845
1276 GCTGGGCTCATCTTCTCTCACTTATTAATCTGATCTGATCCCAATCACTACT 1335
846 GCTGGGCTCATCTTCTCTCACTTATTAATCTGATCTGATCCCAATCACTACT 905
1336 TCACCTCTCATTTATGACATCCCGGACCAAGAGCGAAGAAACCTTCAAGAGATCA 1395
906 TCACCTCTCATTTATGACATCCCGGAGTCAAGAACTTCAAGAAAGATCA 965
1396 TCTGTGCTATCTCTGAGGAGCTTGTGACTTGTCTAGACATTAAGTGGGAGCAG 1455
966 TCTGTGCTATCTCTGAGGAGCTTGTGACTTGTCTAGACATTAATTAATGGGAGCAG 1025
1456 AGGA 1459
1026 AGCA 1029

RESULT 12
US-09-876-252-73
; Sequence 73, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulmsma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein Coupled Rec
; FILE REFERENCE: AREN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/151,114
 PRIOR FILING DATE: 1999-08-27
 PRIOR APPLICATION NUMBER: 60/108,029
 PRIOR FILING DATE: 1998-11-12
 PRIOR APPLICATION NUMBER: 60/136,436
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/136,439
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/136,567
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/137,127
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/137,131
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/141,448
 PRIOR FILING DATE: 1999-06-29
 PRIOR APPLICATION NUMBER: 60/136,437
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/156,555
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: 60/156,634
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: 60/156,653
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: 60/157,280
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/157,294
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/157,281
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/157,282
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/156,633
 PRIOR FILING DATE: 1999-09-29
 NUMBER OF SEQ ID NOS: 146
 SOFTWARE: Patent version 3.0
 SEQ ID NO: 73
 LENGTH: 999
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-876-252-73

Query Match 41.2%; Score 817.2; DB 10; Length 999;
 Best Local Similarity 89.1%; Pred. No. 7.7e-197;
 Matches 882; Conservative 0; Mismatches 108; Indels 0; Gaps 0;
 QY 455 CACCTTCAGACGAGATGCACTTCTCTCCACTTCTGGAACCGGCACTTACGAGCA 514
 DB 9 CTCACCCACCGTGGATGACACCTTCTCTGCAACCGGCACTTACGAGCACT 68
 QY 515 GCACGCGAAGCGCACTGAGTCCCTTGGCAAGGCTACCCGAGCGGGGATGCTACGAGCA 574
 DB 69 GCACGCGAAGCGCACTGAGTCCCTTGGCAAGGCTACCCGAGCGGGGATGCTACGAGCA 128
 QY 575 ACTCTTGTCTCCCCGAGGATGTTCTGCACTCTGGGGGTCTAAAGCTTGTGAGAAAT 634
 DB 129 ACTTTTGTCTCTCTGAGGTGTTTGGATCTCTGGGGGTCTAAAGCTTGTGAGAAAT 188
 QY 635 TCTGTGTATCTGGCAATAGCAAGCAAGAAATCTGCACTCACCCATGATCTTTTCAT 694
 DB 189 CTGTGTATGTTGGCAATAGCAAGCAAGAAATCTGCACTCACCCATGATCTTTTCAT 248
 QY 695 CTGAGCGTGGCTGTGGCCGATATGCTGTAGAGGCTTCCAAAGCGGTCTAGAGCAATCGT 754
 DB 249 CTGAGCGTGGCTGTGGCTGTATGCTGTAGAGGCTTCCAAATGATGAGAAACCATTTAT 308
 QY 755 CATCACCTGTGGAAGATAGATAGCAAGCGGCAAGGTTTCAAGGTGAATATTGATTA 814
 DB 309 CATCACCTGTGGAAGATAGATAGCAAGCGGCAAGGTTTCAAGGTGAATATTGATTA 368
 QY 815 TGTATTTGATCTGGTGTATCTGTAGCTCTTCTGCTGCTTCGATTTGCAAGCTGCTCTCAT 874
 DB 369 TGTATTTGATCTGGTGTATCTGTAGCTCTTCTGCTGCTTCGATTTGCAAGCTGCTCTCAT 428

QY 875 TGCAATGACAGGATCTTACTATCTTTTATGCGCTTCACTACATTAATCATGACGGT 934
 DB 429 TGCAATGACAGGATCTTACTATCTTTTATGCGCTTCACTACATTAATCATGACGGT 488
 QY 935 GAGCGGGGTGGGATCATCATCTGTCATCTGGCGGCTTGCACGGTGTGAGGATCTT 994
 DB 489 TAAGCGGGGTGGGATCATCATCTGTCATCTGGCGGCTTGCACGGTGTGAGGATCTT 548
 QY 995 GTTCATCTTACTCGGACAGTCTGTCATCATCTGTCATCTGTCATCTGTCATCTGTCAT 1054
 DB 549 GTTCATCTTACTCGGACAGTCTGTCATCATCTGTCATCTGTCATCTGTCATCTGTCAT 608
 QY 1055 CATGCTGGCTCTCATGCTCTTCTCTCAATGTCACATGTTCTCAATGTCACAT 1114
 DB 609 CATGCTGGCTCTCATGCTCTTCTCTCAATGTCACATGTTCTCAATGTCACAT 668
 QY 1115 CAAGAGATGCGGTCTCTCCCGGACCGGACCATTCGCAAGGGGCCAATGAAAGG 1174
 DB 669 TAAGAGATGCGGTCTCTCCCGGACCGGACCATTCGCAAGGGGCCAATGAAAGG 728
 QY 1175 TGCAATGACAGGATCTTACTATCTTTTATGCGCTTCACTACATTAATCATGACGGT 1234
 DB 729 TGCAATGACAGGATCTTACTATCTTTTATGCGCTTCACTACATTAATCATGACGGT 788
 QY 1235 CCACTTGTATTTACATCTCTTGTCCCGGACCATTCATCTGTCATGTCAT 1294
 DB 789 CCACTTGTATTTACATCTCTTGTCCCGGACCATTCATCTGTCATGTCAT 848
 QY 1295 CTTTAACTTGTACTTCTTCTGATCATGTCATCTGTCATCTGTCATCTGTCAT 1354
 DB 849 CTTTAACTTGTATCTCTGATCATGTCATCTGTCATCTGTCATCTGTCAT 908
 QY 1355 ACTCCGAGCGAAGATGAGTGAAGAAACCTTCAAGAGATCATCTGTCATCTGTCAT 1414
 DB 909 ACTCCGAGCGAAGATGAGTGAAGAAACCTTCAAGAGATCATCTGTCATCTGTCAT 968
 QY 1415 TGCGCTTGTGATCTGTCATGAGATCTA 1444
 DB 969 AGGCTTGTGATCTGTCATGAGATCTA 998

RESULT 13
 US-10-417-820A-73
 Sequence 73, Application US/10417820A
 Publication No. US20030229216A1
 GENERAL INFORMATION:
 APPLICANT: Chen, Ruoping
 APPLICANT: Liaw, Chen W.
 APPLICANT: Lowitz, Kevin
 APPLICANT: Chalmers, Derek T.
 APPLICANT: Behan, Dominic P.
 TITLE OR INVENTION: Constitutively Activated Human G Protein Coupled
 FILE REFERENCE: 7, US28, CON
 CURRENT APPLICATION NUMBER: US/10/417,820A
 CURRENT FILING DATE: 2003-04-16
 PRIOR APPLICATION NUMBER: 09/416,760
 PRIOR FILING DATE: 1999-10-12
 PRIOR APPLICATION NUMBER: 09/170,496
 PRIOR FILING DATE: 1998-10-13
 PRIOR APPLICATION NUMBER: 60/110,060
 PRIOR FILING DATE: 1998-11-27
 PRIOR APPLICATION NUMBER: 60/120,416
 PRIOR FILING DATE: 1999-02-16
 PRIOR APPLICATION NUMBER: 60/121,852
 PRIOR FILING DATE: 1999-02-26
 PRIOR APPLICATION NUMBER: 60/109,213
 PRIOR FILING DATE: 1998-11-20
 PRIOR APPLICATION NUMBER: 60/123,944
 PRIOR FILING DATE: 1999-03-12
 PRIOR APPLICATION NUMBER: 60/123,945
 PRIOR FILING DATE: 1999-03-12

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; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 73
; LENGTH: 999
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-417-820A-73
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Query Match      41.2%; Score 817.2; DB 15; Length 999;
Best Local Similarity 89.1%; Pred. No. 7.7e-197;
Matches 882; Conservative 0; Mismatches 108; Indels 0; Gaps 0;
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QY 455 CACCCCTTACGACGGAATGACACTTCTTCCACTTGTGAAACCGACGACCTACGAGCA 514
DB 9 CTCACCCACCGGATGACACTTCTTGCACCTCTGAAACCGACGAGTTACAGACT 68
QY 515 GCAACGCAAGCGCACTAGTCCCTTGGCAAAAGCTACCCGACGGGGATGCTACGAGCA 574
DB 69 GCAACGCAAGCGCACTAGTCCCTTGGCAAAAGCTACCTGATGAGGAGTACGAGCA 128
QY 575 ACTCTTGTCTCCCGGAGGTTCTGTAAGCTGAGGGGATACAGCTTGTGAGAAACAT 634
DB 129 ACTTTTGTCTCTCTGAGGTTGTAAGCTGAGGGGATACAGCTTGTGAGAAATAT 188
QY 635 TCTGTGATGCTGCAATGACCAAGAAACAAGATCTGACTACCCATGATCTTTTCAT 694
DB 189 CTTAGTATGTGGCAATGACCAAGAAACAAGATCTGACTACCCATGATCTTTTCAT 248
QY 695 CTGAGCTGCTGCTGAGGATGCTGAGGAGGTTTCCAAAGGTCAGAGACATCT 754
DB 249 CTGAGCTGCTGCTGAGGATGCTGAGGAGGTTTCCAAAGGTCAGAGACATCTAT 308
QY 755 CATCACCTGTTGAACAGTACGATACGACGCGCAGAGTTTCCAGGTGAATATTGATAA 814
DB 309 CATCACCTGTTGAACAGTACGATACGATACGACGAGTTTCCAGGTGAATATTGATAA 368
QY 815 TGTCTATGACTCGGTGATCTGTAGCTCTTGTCTGCTCGCTCGATTTGACGCTCTCAAT 874
DB 369 TGTCTATGACTCGGTGATCTGTAGCTCTTGTCTGCTCGCTCGATTTGACGCTCTCAAT 428
QY 875 TGCAGTGAACAGTACCTTACTTATCTTATGCTCTCAAGTACATTAACATGAGAGGT 934
DB 429 TGCAGTGAACAGTACCTTACTTCTTATGCTCTCAAGTACATTAACATGAGAGGT 488
QY 935 GAGGCGGTTGGGATCATCATGATGATGAGGCGGTTGACGAGGTGACGAGCATCTT 994
DB 489 TAAAGCGGTTGGGATCATCATGATGATGAGGCGGTTGACGAGGTGACGAGCATCTT 548
QY 995 GTTCATCATTTACTCGACAGTACTGCTGATCATGATGCTGCTCATCAACATGTTCTTAC 1054
DB 549 GTTCATCATTTACTCGACAGTACTGCTGATCATGATGCTGCTCATCAACATGTTCTTAC 608
QY 1055 CATGCTGCGCTCATGCTTCTCTTACGTTCAATGTTCTTCAATGAGCAGATGCAAT 1114
DB 609 CATGCTGCGCTCATGCTTCTCTTACGTTCAATGTTCTTCAATGAGCAGGCTTCAAT 668
QY 1115 CAAGAGAAATGCGCGTCTCTCCCGGACCGGACCATCCGCAAGGGGCAACATGAAGGG 1174
DB 669 TAAAGAAATGCTCTCTCTCCCGGACCGGACCATCCGCAAGGGGCAACATGAAGGG 728
QY 1175 TGCCATTACCTGACCAATCATGATGAGGTTCTGCTGCTGCTGAGGCTCCATTTCTTCT 1234
DB 729 AGGCAATACCTGACCAATCATGATGAGGTTCTGCTGCTGCTGAGGCTCCATTTCTTCT 788
QY 1235 CCACTTATATTTCTACATCTTCTTCTCCCAAGAAATCCATATCTGTGCTTCAATGTTCTCA 1294
DB 789 CCACTTATATTTCTACATCTTCTTCTCCCAAGAAATCCATATGTTGTGCTTCAATGTTCTCA 848
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QY 1295 CTTTAACTGTATCTTATCTGATGATGTAATCTCATCATGACCTCTCATTTATGC 1354
DB 849 CTTTAACTGTATCTTATCTGATGATGTAATCTCATCATGATCTCTGATTTATGC 908
QY 1355 ACTCCGAGCAAGAGTGAAGAAACCTTCAAGAGATCATGCTGTTGCTATCTCTGGG 1414
DB 909 ACTCCGAGCAAGAGTGAAGAAACCTTCAAGAGATCATGCTGTTGCTATCTCTGGG 968
QY 1415 TGCCCTTGTGACTTGTCTGACAGATACCTA 1444
DB 969 AGGCTTGTGACTTGTCTGACAGATATTTA 998
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RESULT 14

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US-10-723-955-73
; Sequence 73, Application US/10723955
; Publication No. US20040110238A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lin, I-Lin
; APPLICANT: Law, Chen W.
; APPLICANT: Lehman-Brusma, Karin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OR INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7.US29.CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 73
; LENGTH: 999
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-955-73
```

```

Query Match      41.2%; Score 817.2; DB 17; Length 999;
Best Local Similarity 89.1%; Pred. No. 7.7e-197;
Matches 882; Conservative 0; Mismatches 108; Indels 0; Gaps 0;
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QY 455 CACCCCTTACGACGGAATGACACTTCTTCCACTTGTGAAACCGACGACCTACGAGCA 514
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APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OR INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
FILE REFERENCE: ALEN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
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PRIOR FILING DATE: 1999-09-29
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 135
LENGTH: 999
TYPE: DNA
ORGANISM: Homo sapiens
US-09-876-252-135

Query Match 41.0%; Score 814; DB 10; Length 999;
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Search completed: November 17, 2004, 21:53:10
Job time 4.717 secs

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97.2% identity in 248 aa overlap

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mc4r-allele2				KNLHSPMYFFICSLAVADMLVSVSNGSETI		
			10	20	30	
	110	120	130	140	150	160
human.pep	IITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSLLSIAVD	RYFTIFYALQYHNIMT				
mc4r-allele2	: : : : : :					
	40	50	60	70	80	90
	170	180	190	200	210	220
human.pep	VKRVGISISCIWAAC	TVSGILFIIYSDSSAVIICLITMFF	FTMLALMASLYVHMFLMARLH			
mc4r-allele2	: : : : : :					
	100	110	120	130	140	150
	230	240	250	260	270	280
human.pep	IKRIAVLPGTGAI	RQGANKGAILTLILIGVFVVCWAPFFLHLIFYISCPQNPYCVCFMS				
mc4r-allele2	: : : : : :					
	160	170	180	190	200	210
	290	300	310	320	330	
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